

Fri Jun 4 11:10:12 2004

us-09-234-208b-2.oliszm419.rapb

Page 1

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OK protein - protein search, using sw model

Run on: June 4, 2004, 10:55:33 ; Search time 48 Seconds

(without alignments)
2455,852 Million cell updates/sec

Title: US-09-234-208B-2

Perfect score: 419

Sequence: 1 MELAALCRNGLLALLPPGA.....VGRGPPDAHVAVNLSRYSG 419

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 1155919 seqs, 28138677 residues

Word size : 0

Total number of hits satisfying chosen parameters: 929585

Minimum DB seg length: 0

Maximum DB seg length: 419

Post-processing: Listing first 45 summaries

Database :

Published Applications_AA:*
1: /cgn2_6/ptodata/2/pubppaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubppaa/PCT_NEW_PUB.pep:*
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8: /cgn2_6/ptodata/2/pubppaa/US08_PUBCOMB.pep:*
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11: /cgn2_6/ptodata/2/pubppaa/US09C_PUBCOMB.pep:*
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15: /cgn2_6/ptodata/2/pubppaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubppaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/2/pubppaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/2/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	289	69.0	289	9	US-09-821-883-23
2	191	45.6	191	10	US-09-441-411-9
3	166	39.6	166	12	US-10-356-824-1
4	166	39.6	166	12	US-10-600-152-1
5	166	39.6	166	14	US-10-356-824-1
6	166	39.6	166	14	US-10-406-925-1
7	166	39.6	166	14	US-10-429-519-1
8	160	38.2	164	15	US-10-412-804A-8
9	83	19.8	419	12	US-10-344-470-2
10	83	19.8	419	16	US-10-356-824-2
11	32	7.6	32	12	US-10-356-824-2
12	32	7.6	32	12	US-10-600-152-2
13	32	7.6	32	14	US-10-356-824-2
14	32	7.6	32	14	US-10-406-925-2
15	32	7.6	32	14	US-10-429-519-2

15	22	5.3	22	9	US-09-466-320-19	Sequence 19, Appl
17	22	5.3	68	9	US-09-466-320-11	Sequence 11, Appl
18	20	4.8	37	12	US-10-253-286-630	Sequence 630, App
20	20	4.8	37	15	US-10-245-871-630	Sequence 20, App
21	18	4.3	19	9	US-09-466-320-20	Sequence 61, Appl
22	17	4.1	17	16	US-10-647-005-61	Sequence 1, Appl
23	17	4.1	79	12	US-10-344-470-1	Sequence 1, Appl
24	17	4.1	79	16	US-10-302-663-1	Sequence 1, Appl
25	16	3.8	16	12	US-10-253-286-577	Sequence 577, App
26	16	3.8	16	15	US-10-245-871-577	Sequence 577, App
27	15	3.6	15	9	US-09-888-721-21	Sequence 21, Appl
28	15	3.6	15	12	US-10-253-286-576	Sequence 576, App
29	15	3.6	15	12	US-10-253-286-635	Sequence 625, App
30	15	3.6	15	12	US-10-253-286-636	Sequence 626, App
31	15	3.6	15	12	US-10-668-400-12	Sequence 12, Appl
32	15	3.6	15	14	US-10-282-960-78	Sequence 78, Appl
33	15	3.6	15	15	US-10-245-871-576	Sequence 576, App
34	15	3.6	15	15	US-10-245-871-625	Sequence 625, App
35	15	3.6	15	15	US-10-245-871-626	Sequence 626, App
36	15	3.6	15	15	US-10-149-138-3720	Sequence 3720, App
37	15	3.6	15	15	US-10-149-138-3730	Sequence 3730, App
38	15	3.6	15	15	US-10-149-138-3732	Sequence 3732, App
39	15	3.6	15	15	US-10-149-138-3733	Sequence 3733, App
40	15	3.6	15	15	US-10-149-138-3741	Sequence 3741, App
41	15	3.6	15	15	US-10-149-138-3747	Sequence 3747, App
42	15	3.6	15	15	US-10-149-138-3749	Sequence 3749, App
43	15	3.6	15	15	US-10-149-138-3750	Sequence 3750, App
44	15	3.6	15	15	US-10-149-138-3757	Sequence 3757, App
45	15	3.6	15	15	US-10-149-138-3758	Sequence 3758, App

ALIGNMENTS

US-09-821-883-23	Application US/09821883
Sequence 23,	
Patent No. US20020061310A1	
GENERAL INFORMATION:	
APPLICANT: Viduic, Damir	
APPLICANT: Laus, Retner	
APPLICANT: Graddis, Thomas	
TITLE OF INVENTION: Compositions and Methods for Dendritic	
TITLE OF INVENTION: Cell-Based Immunotherapy	
FILE REFERENCE: 7636-0022.30	
CURRENT APPLICATION NUMBER: US/09/821,883	
CURRENT FILING DATE: 2001-03-30	
PRIOR APPLICATION NUMBER: US 60/193,504	
PRIOR FILING DATE: 2000-03-30	
NUMBER OF SEQ ID NOS: 30	
SOFTWARE: FastSeq for Windows Version 4.0	
SEQ ID NO 23	
LENGTH: 289	
TYPE: PRT	
ORGANISM: Homo sapiens	
US-09-821-883-23	
Query Match	69.0%; Score 289; DB 9; Length 289;
Best Local Similarity	100.0%; Pred. No. 3.4e-256;
Matches 289; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
DB	22
QY	142
DB	61
QY	121
DB	180

QY 202 S R C W G E S E D C O S L I R T Y C A G G C A R C K G P L P T D C H E C C A G C T P K S D C L A C H F N H S 261
 DB 181 S R C W E S E D C O S L I R T Y C A G G C A R C K G P L P T D C H E C C A G C T P K S D C L A C H F N H S 240
 QY 262 G I C E L H C P A L Y T Y N T D T F E S M P N E G R Y T F G A S C V T A C P Y N L S T D V G S 310
 DB 241 G I C E L H C P A L Y T Y N T D T F E S M P N E G R Y T F G A S C V T A C P Y N L S T D V G S 289

RESULT 2

US-09-441-411-9
 ; Sequence 9, Application US/09441411
 ; Publication No. US2003008342A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Scholler, Nathalie B.
 ; APPLICANT: Disis, Mary L.
 ; APPLICANT: Hellstrom, Ingegerd
 ; APPLICANT: Hellstrom, Karl Erik
 ; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES
 ; FILE REFERENCE: 73C033.409
 ; CURRENT APPLICATION NUMBER: US/09/441,411
 ; CURRENT FILING DATE: 1999-11-16
 ; NUMBER OF SEQ ID NOS: 26
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 9
 ; LENGTH: 191
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-441-411-9

Query Match 45.6%; Score 191; DB 10; Length 191;
 Best Local Similarity 100.0%; Pred. No. 1.4e-165; Indels 0; Gaps 0;
 Matches 191; Conservative 0; Mismatches 0;

QY 1 M E L A A C R W G L L A L P P G A S T O V C T G D M K L R L P A S P E T H L M L R H L Y O G C O V Q N L 60
 DB 1 M E L A A C R W G L L A L P P G A S T O V C T G D M K L R L P A S P E T H L M L R H L Y O G C O V Q N L 60
 QY 61 E L T Y P T N A S I S F L O D I O E V O G Y V L I A H N Q V R P L O R L I V R G T O L F E D N Y A L A V L N G 120
 DB 61 E L T Y P T N A S I S F L O D I O E V O G Y V L I A H N Q V R P L O R L I V R G T O L F E D N Y A L A V L N G 120
 QY 121 D P L A N T P Y T G A S P G G L R E L O R S L T E I L K G V L I O R N P O L C Y O D T I L M K D I F H K N Q L A 180
 DB 121 D P L A N T P Y T G A S P G G L R E L O R S L T E I L K G V L I O R N P O L C Y O D T I L M K D I F H K N Q L A 180
 QY 181 L T L I D I T N R S R A 191
 DB 181 L T L I D I T N R S R A 191

RESULT 3

US-10-356-824-1
 ; Sequence 1, Application US/10356824
 ; Publication No. US20040037823A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Shak, Steve
 ; APPLICANT: Paton, Virginia
 ; TITLE OF INVENTION: TREATMENT WITH ANTI-EBB2 ANTIBODIES
 ; FILE REFERENCE: P1256R1
 ; CURRENT APPLICATION NUMBER: US/10/356,824
 ; CURRENT FILING DATE: 2003-02-03
 ; PRIOR APPLICATION NUMBER: US/09/208,649
 ; PRIOR FILING DATE: 1998-12-10
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12
 ; NUMBER OF SEQ ID NOS: 9
 ; SEQ ID NO 1
 ; LENGTH: 166
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-356-824-1

Query Match 39.6%; Score 166; DB 12; Length 166;
 Best Local Similarity 100.0%; Pred. No. 1e-143; Indels 0; Gaps 0;
 Matches 166; Conservative 0; Mismatches 0;

QY 26 C T G T D M K L R L P A S P E T H L M L R H L Y O G C O V Q N L E L T Y P T N A S I S F L O D I O E V O G Y V L 85
 DB 1 C T G T D M K L R L P A S P E T H L M L R H L Y O G C O V Q N L E L T Y P T N A S I S F L O D I O E V O G Y V L 60
 QY 86 I A H N Q V R P L O R L I V R G T O L F E D N Y A L A V L N G D E L A N T T P Y T G A S P G G L R E L O R S L 145
 DB 61 I A H N Q V R P L O R L I V R G T O L F E D N Y A L A V L N G D E L A N T T P Y T G A S P G G L R E L O R S L 120
 QY 146 T E I L K G V L I O R N P O L C Y O D T I L M K D I F H K N Q L A L T L I D I T N R S R A 191
 DB 121 T E I L K G V L I O R N P O L C Y O D T I L M K D I F H K N Q L A L T L I D I T N R S R A 166

RESULT 4

US-10-600-152-1
 ; Sequence 1, Application US/10600152
 ; Publication No. US20040037824A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baughman, Sharon A.
 ; APPLICANT: Shak, Steven
 ; TITLE OF INVENTION: Dosages for Treatment with Anti-EBB2 Antibodies
 ; FILE REFERENCE: P1775R1
 ; CURRENT APPLICATION NUMBER: US/10/600,152
 ; CURRENT FILING DATE: 2003-06-20
 ; PRIOR APPLICATION NUMBER: 09/648,067
 ; PRIOR FILING DATE: 2000-08-25
 ; PRIOR APPLICATION NUMBER: US 60/151,018
 ; PRIOR FILING DATE: 1999-08-27
 ; PRIOR APPLICATION NUMBER: US 60/213,822
 ; PRIOR FILING DATE: 2000-06-23
 ; NUMBER OF SEQ ID NOS: 15
 ; SEQ ID NO 1
 ; LENGTH: 166
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-600-152-1

Query Match 39.6%; Score 166; DB 12; Length 166;
 Best Local Similarity 100.0%; Pred. No. 1e-143; Indels 0; Gaps 0;
 Matches 166; Conservative 0; Mismatches 0;

QY 26 C T G T D M K L R L P A S P E T H L M L R H L Y O G C O V Q N L E L T Y P T N A S I S F L O D I O E V O G Y V L 85
 DB 1 C T G T D M K L R L P A S P E T H L M L R H L Y O G C O V Q N L E L T Y P T N A S I S F L O D I O E V O G Y V L 60
 QY 86 I A H N Q V R P L O R L I V R G T O L F E D N Y A L A V L N G D E L A N T T P Y T G A S P G G L R E L O R S L 145
 DB 61 I A H N Q V R P L O R L I V R G T O L F E D N Y A L A V L N G D E L A N T T P Y T G A S P G G L R E L O R S L 120
 QY 146 T E I L K G V L I O R N P O L C Y O D T I L M K D I F H K N Q L A L T L I D I T N R S R A 191
 DB 121 T E I L K G V L I O R N P O L C Y O D T I L M K D I F H K N Q L A L T L I D I T N R S R A 166

RESULT 5

US-10-356-824-1
 ; Sequence 1, Application US/10356824
 ; Publication No. US20030147864A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Shak, Steve
 ; APPLICANT: Paton, Virginia
 ; TITLE OF INVENTION: TREATMENT WITH ANTI-EBB2 ANTIBODIES
 ; FILE REFERENCE: P1256R1
 ; CURRENT APPLICATION NUMBER: US/10/356,824
 ; CURRENT FILING DATE: 2003-02-03
 ; PRIOR APPLICATION NUMBER: US/09/208,649
 ; PRIOR FILING DATE: 1998-12-10
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12
 ; NUMBER OF SEQ ID NOS: 9
 ; SEQ ID NO 1
 ; LENGTH: 166
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-356-824-1

;; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12
 ;; NUMBER OF SEQ ID NOS: 9
 ;; SEQ ID NO 1
 ;; LENGTH: 166
 ;; TYPE: PRT
 ;; ORGANISM: Homo sapiens
 US-10-356-824-1

Query Match 39.6%; Score 166; DB 14; Length 166;
 Best Local Similarity 100.0%; Pred. No. 1e-143;
 Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 CTGTDMLRLPASPETHLDMRLHLYGCGVQVGNLELTYPFNASLSFLQDIOEVGYVL 85
 DB 1 CTGTDMLRLPASPETHLDMRLHLYGCGVQVGNLELTYPFNASLSFLQDIOEVGYVL 60
 QY 86 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTPTVPGASPGGLREQLRSL 145
 DB 61 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTPTVPGASPGGLREQLRSL 120
 QY 146 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTIDTNRSPA 191
 DB 121 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTIDTNRSPA 166

RESULT 6
 US-10-406-925-1
 ; Sequence 1, Application US/10406925
 ; Publication No. US20030170234A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Shak, Steve
 ; TITLE OF INVENTION: TREATMENT WITH ANTI-EPH2 ANTIBODIES
 ; FILE REFERENCE: P1256R3
 ; CURRENT APPLICATION NUMBER: US/10/406,925
 ; PRIOR FILING DATE: 2003-04-04
 ; PRIOR APPLICATION NUMBER: US/09/209,023
 ; PRIOR FILING DATE: 1998-12-10
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12
 ; NUMBER OF SEQ ID NOS: 9
 ; SEQ ID NO 1
 ; LENGTH: 166
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-406-925-1

Query Match 39.6%; Score 166; DB 14; Length 166;
 Best Local Similarity 100.0%; Pred. No. 1e-143;
 Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 CTGTDMLRLPASPETHLDMRLHLYGCGVQVGNLELTYPFNASLSFLQDIOEVGYVL 85
 DB 1 CTGTDMLRLPASPETHLDMRLHLYGCGVQVGNLELTYPFNASLSFLQDIOEVGYVL 60
 QY 86 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTPTVPGASPGGLREQLRSL 145
 DB 61 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTPTVPGASPGGLREQLRSL 120
 QY 146 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTIDTNRSPA 191
 DB 121 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTIDTNRSPA 166

RESULT 7
 US-10-429-519-1
 ; Sequence 1, Application US/10429519
 ; Publication No. US20030170235A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cohen, Robert
 ; TITLE OF INVENTION: TREATMENT WITH ANTI-EBB2 ANTIBODIES
 ; FILE REFERENCE: P1575R1
 ; CURRENT APPLICATION NUMBER: US/10/429,519

;; CURRENT FILING DATE: 2003-05-05
 ;; PRIOR APPLICATION NUMBER: US/09/568,322
 ;; PRIOR FILING DATE: 2000-05-09
 ;; PRIOR APPLICATION NUMBER: US 60/134,085
 ;; PRIOR FILING DATE: 1999-05-14
 ;; NUMBER OF SEQ ID NOS: 4
 ;; SEQ ID NO 1
 ;; LENGTH: 166
 ;; TYPE: PRT
 ;; ORGANISM: Homo sapiens
 US-10-429-519-1

Query Match 39.6%; Score 166; DB 14; Length 166;
 Best Local Similarity 100.0%; Pred. No. 1e-143;
 Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 CTGTDMLRLPASPETHLDMRLHLYGCGVQVGNLELTYPFNASLSFLQDIOEVGYVL 85
 DB 1 CTGTDMLRLPASPETHLDMRLHLYGCGVQVGNLELTYPFNASLSFLQDIOEVGYVL 60
 QY 86 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTPTVPGASPGGLREQLRSL 145
 DB 61 IAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNGDPLNNTPTVPGASPGGLREQLRSL 120
 QY 146 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTIDTNRSPA 191
 DB 121 TEILKGVLIQRNPQLCYQDTILMKDIFKNNQLALTIDTNRSPA 166

RESULT 8
 US-10-412-804A-8
 ; Sequence 8, Application US/10412804A
 ; Publication No. US20030228606A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jing, Shuguan
 ; APPLICANT: Tatarewicz, Suzanna
 ; TITLE OF INVENTION: HER-2 Receptor Tyrosine Kinase Molecules and Uses
 ; FILE REFERENCE: 01-1624-A
 ; CURRENT APPLICATION NUMBER: US/10/412,804A
 ; CURRENT FILING DATE: 2003-04-11
 ; PRIOR FILING DATE: 2002-04-11
 ; PRIOR APPLICATION NUMBER: 60/371,912
 ; SOFTWARE: PatentIn Ver. 2.0
 ; NUMBER OF SEQ ID NOS: 17
 ; SEQ ID NO 8
 ; LENGTH: 164
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-412-804A-8

Query Match 38.2%; Score 160; DB 15; Length 164;
 Best Local Similarity 100.0%; Pred. No. 3.1e-138;
 Matches 160; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METAAICRWGLIALLPAGASTVOYCTGTDMLRLPASPETHLDMRLHLYGCGVQVGNL 60
 DB 1 METAAICRWGLIALLPAGASTVOYCTGTDMLRLPASPETHLDMRLHLYGCGVQVGNL 60
 QY 61 ELTYLPFNASLSFLQDIOEVGYVLIAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNG 120
 DB 61 ELTYLPFNASLSFLQDIOEVGYVLIAHNOVQVPLQRLIRIVGTQLFEDNYALAVLDNG 120
 QY 121 DPLNNTPTVPGASPGGLREQLRSLTEILKGVLIQRNPQ 160
 DB 121 DPLNNTPTVPGASPGGLREQLRSLTEILKGVLIQRNPQ 160

RESULT 9
 US-10-344-470-2
 ; Sequence 2, Application US/10344470
 ; Publication No. US20040052796A1
 ; GENERAL INFORMATION:

APPLICANT: Clinton, Gail M.
TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN
TITLE OF INVENTION: THAT EXPRESS EITHER P185HER-2 OR THE EGF RECEPTOR INHIBITS RECEPTOR
FILE REFERENCE: 49321-81
CURRENT APPLICATION NUMBER: US/10/344,470
CURRENT FILING DATE: 2003-06-09
PRIOR APPLICATION NUMBER: PCT / US01/25502
PRIOR FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: US 09/638,834
PRIOR FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 419
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (342)..(342)
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (345)..(345)
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (346)..(346)
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (356)..(356)
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (358)..(358)
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (361)..(361)
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence variant
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (376)..(376)
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (394)..(394)
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (404)..(404)
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (413)..(413)
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at this
US-10-344-470-2

Query Match 19.8%; Score 83; DB 12; Length 419;
Best Local Similarity 100.0%; Pred. No. 2,4e-67;
Matches 83; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

199 CKGRCGMSSESDCOSLTRVACGACGACGKPLPTDCBQCACAGCTGPRSDCLACIHF 258
199 CKGRCGMSSESDCOSLTRVACGACGACGKPLPTDCBQCACAGCTGPRSDCLACIHF 258
259 NMSGICELACPALVYNTDTTFES 281
259 NMSGICELACPALVYNTDTTFES 281

RESULT 10
US-10-302-663-2
Sequence 2, Application US/10302663
Publication No. US20040022785A1
GENERAL INFORMATION:
APPLICANT: Clinton, Gail M.
TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE HER-2/NEU PRODUCT, IN C
TITLE OF INVENTION: EXPRESS EITHER P185HER-2 OR THE EGF RECEPTOR INHIBITS RECEPTOR
FILE REFERENCE: 49321-73
CURRENT APPLICATION NUMBER: US/10/302,663
CURRENT FILING DATE: 2002-11-22
PRIOR APPLICATION NUMBER: US 09/638,834
PRIOR FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 10
SEQ ID NO 2
LENGTH: 419
TYPE: PRT
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: VARIANT
LOCATION: 342
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 345
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 346
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 356
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 358
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 361
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence varia
OTHER INFORMATION: position
FEATURE:
NAME/KEY: VARIANT
LOCATION: 376
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 394
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 404
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 413
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at thi
US-10-302-663-2

Query Match 19.8%; Score 83; DB 16; Length 419;
Best Local Similarity 100.0%; Pred. No. 2,4e-67;

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Page 5

Matches 83; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 199 CKGSRGWGESSBDCQSLRTVCAAGCARGKGPFTDCBHCQCAAGCTGPHRSDCLATP 258
199 CKGSRGWGESSBDCQSLRTVCAAGCARGKGPFTDCBHCQCAAGCTGPHRSDCLATP 258

QY 259 NSGICELHCPALVTNTDTFES 281
259 NSGICELHCPALVTNTDTFES 281

RESULT 11:
US-10-356-824-2

; Sequence 2, Application US/10356824
; Publication No. US20040037823A9
; GENERAL INFORMATION:
; APPLICANT: Shak, Steve
; APPLICANT: Paton, Virginia
; TITLE OF INVENTION: TREATMENT WITH ANTI-ERB2 ANTIBODIES
; FILE REFERENCE: P1256R1
; CURRENT APPLICATION NUMBER: US/10/356,824
; PRIOR FILING DATE: 2003-02-03
; PRIOR APPLICATION NUMBER: US/09/208,649
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 9
; SEQ ID NO 2
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-356-824-2

Query Match 7.6%; Score 32; DB 12; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.4e-21;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STOVCTGTDMKRLPASPETHLDMRLHYQGC 53
1 STOVCTGTDMKRLPASPETHLDMRLHYQGC 32

RESULT 12:

US-10-600-152-2
; Sequence 2, Application US/10600152
; Publication No. US20040037824A1
; GENERAL INFORMATION:
; APPLICANT: Baughman, Sharon A.
; APPLICANT: Shak, Steven
; TITLE OF INVENTION: Dosages for Treatment with Anti-ErbB2 Antibodies
; FILE REFERENCE: P1775R1
; CURRENT APPLICATION NUMBER: US/10/600,152
; PRIOR APPLICATION NUMBER: 2003-06-20
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: US 60/151,018
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: US 60/213,822
; PRIOR FILING DATE: 2000-06-23
; NUMBER OF SEQ ID NOS: 15
; SEQ ID NO 2
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-600-152-2

Query Match 7.6%; Score 32; DB 12; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.4e-21;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STOVCTGTDMKRLPASPETHLDMRLHYQGC 53
1 STOVCTGTDMKRLPASPETHLDMRLHYQGC 32

RESULT 13:
US-10-356-824-2
; Sequence 2, Application US/10356824
; Publication No. US20030147884A1
; GENERAL INFORMATION:
; APPLICANT: Shak, Steve
; APPLICANT: Paton, Virginia
; TITLE OF INVENTION: TREATMENT WITH ANTI-ERB2 ANTIBODIES
; FILE REFERENCE: P1256R1
; CURRENT APPLICATION NUMBER: US/10/356,824
; PRIOR FILING DATE: 2003-02-03
; PRIOR APPLICATION NUMBER: US/09/208,649
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 9
; SEQ ID NO 2
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-356-824-2

Query Match 7.6%; Score 32; DB 14; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.4e-21;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STOVCTGTDMKRLPASPETHLDMRLHYQGC 53
1 STOVCTGTDMKRLPASPETHLDMRLHYQGC 32

RESULT 14:
US-10-406-925-2
; Sequence 2, Application US/10406925
; Publication No. US20030170234A1
; GENERAL INFORMATION:
; APPLICANT: Shak, Steve
; APPLICANT: Paton, Virginia
; TITLE OF INVENTION: TREATMENT WITH ANTI-ERB2 ANTIBODIES
; FILE REFERENCE: P1256R3
; CURRENT APPLICATION NUMBER: US/10/406,925
; PRIOR FILING DATE: 2003-04-04
; PRIOR APPLICATION NUMBER: US/09/209,023
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/069,346
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 9
; SEQ ID NO 2
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-406-925-2

Query Match 7.6%; Score 32; DB 14; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.4e-21;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STOVCTGTDMKRLPASPETHLDMRLHYQGC 53
1 STOVCTGTDMKRLPASPETHLDMRLHYQGC 32

RESULT 15:
US-10-429-519-2
; Sequence 2, Application US/10429519
; Publication No. US20030170235A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Robert
; TITLE OF INVENTION: TREATMENT WITH ANTI-ERB2 ANTIBODIES
; FILE REFERENCE: P1757R1
; CURRENT APPLICATION NUMBER: US/10/429,519

; CURRENT FILING DATE: 2003-05-05
 ; PRIOR APPLICATION NUMBER: US/09/568,322
 ; PRIOR FILING DATE: 2000-05-09
 ; PRIOR APPLICATION NUMBER: US 60/134,085
 ; PRIOR FILING DATE: 1999-05-14
 ; NUMBER OF SEQ ID NOS: 4
 ; SEQ ID NO 2
 ; LENGTH: 32
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-429-519-2

Query Match 7.6%; Score 32; DB 14; Length 32;
 Best Local Similarity 100.0%; Pred. No. 1.4e-21;
 Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STQVCTGTDMKRLPASPETHLDMRLHYQGC 53
 Db 1 STQVCTGTDMKRLPASPETHLDMRLHYQGC 32

Search completed: June 4, 2004, 11:01:45
 Job time : 49 secs

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OM protein - protein search, using sw model

Run on: June 4, 2004, 10:51:12 ; Search time 23 Seconds
(without alignments)
940.491 Million cell updates/sec

Title: US-09-234-208b-2

Perfect score: 419
Sequence: 1 MEALACRMGLIALLPKCA.....VGRGPPDAHVAVNLSRYEG 419

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 389414 seqs, 51625971 residues

Word size : 0

Total number of hits satisfying chosen parameters: 353328

Minimum DB seq length: 0

Maximum DB seq length: 419

Post-processing: Listing first 45 summaries

Database :
1: /cgm2_6/ptodata/2/1aa/5A_COMB.pep.*
2: /cgm2_6/ptodata/2/1aa/5B_COMB.pep.*
3: /cgm2_6/ptodata/2/1aa/5A_COMB.pep.*
4: /cgm2_6/ptodata/2/1aa/5B_COMB.pep.*
5: /cgm2_6/ptodata/2/1aa/PTUS_COMB.pep.*
6: /cgm2_6/ptodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	419	100.0	419	4	US-09-630-155-2
2	166	39.6	166	4	US-09-648-067A-1
3	96	22.9	97	1	US-08-421-356-3
4	96	22.9	97	4	US-09-046-783-3
5	79	18.9	79	4	US-09-630-155-1
6	32	7.6	32	4	US-09-648-067A-2
7	17	4.1	17	1	US-08-467-083-3
8	17	4.1	17	1	US-08-467-083-61
9	17	4.1	17	2	US-08-486-348A-61
10	17	4.1	17	2	US-08-468-545B-61
11	17	4.1	17	3	US-08-466-680B-61
12	17	4.1	17	4	US-09-354-533-61
13	17	4.1	17	4	US-08-467-083-30
14	15	3.6	15	1	US-08-467-083-31
15	15	3.6	15	1	US-08-467-083-32
16	15	3.6	15	1	US-08-467-083-33
17	15	3.6	15	1	US-08-467-083-36
18	15	3.6	15	1	US-08-467-083-56
19	15	3.6	15	1	US-08-414-417B-30
20	15	3.6	15	1	US-08-414-417B-31
21	15	3.6	15	1	US-08-414-417B-32
22	15	3.6	15	1	US-08-414-417B-33
23	15	3.6	15	1	US-08-414-417B-56
24	15	3.6	15	2	US-08-486-348A-30
25	15	3.6	15	2	US-08-486-348A-31
26	15	3.6	15	2	US-08-486-348A-32
27	15	3.6	15	2	US-08-486-348A-33

28	15	3.6	15	2	US-08-468-545B-30	Sequence 30, Appl
29	15	3.6	15	2	US-08-468-545B-31	Sequence 31, Appl
30	15	3.6	15	2	US-08-468-545B-32	Sequence 32, Appl
31	15	3.6	15	2	US-08-468-545B-33	Sequence 33, Appl
32	15	3.6	15	2	US-08-468-545B-56	Sequence 56, Appl
33	15	3.6	15	3	US-08-466-680B-30	Sequence 30, Appl
34	15	3.6	15	3	US-08-466-680B-31	Sequence 31, Appl
35	15	3.6	15	3	US-08-466-680B-32	Sequence 32, Appl
36	15	3.6	15	3	US-08-466-680B-56	Sequence 56, Appl
37	15	3.6	15	3	US-08-466-680B-33	Sequence 33, Appl
38	15	3.6	15	4	US-09-000-003A-22	Sequence 22, Appl
39	15	3.6	15	4	US-09-354-533-30	Sequence 30, Appl
40	15	3.6	15	4	US-09-354-533-31	Sequence 31, Appl
41	15	3.6	15	4	US-09-354-533-32	Sequence 32, Appl
42	15	3.6	15	4	US-09-354-533-33	Sequence 33, Appl
43	15	3.6	15	4	US-09-354-533-56	Sequence 56, Appl
44	15	3.6	15	4	US-09-405-986A-12	Sequence 12, Appl
45	14	3.3	14	4	US-08-403-459-31	Sequence 31, Appl

ALIGNMENTS

RESULT 1

US-09-630-155-2
Sequence 2, Application US/09630155
Patent No. 6414130

GENERAL INFORMATION:

APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:
ADDRESSEE: DAVIS WRIGHT TREMAINE LLP
STREET: 1501 Fourth Avenue, 2600 Century Square
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.

ZIP: 98101

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PC compatible
OPERATING SYSTEM: Windows95

SOFTWARE: Word

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/630,155
FILING DATE: 16-Jan-2001
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Davison, Barry L.
REGISTRATION NUMBER: 47,309
REFERENCE/DOCKET NUMBER: 49321-10

TELECOMMUNICATION INFORMATION:
TELEPHONE: 206 628-7621
TELEFAX: 206 628-7699

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 419
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: polypeptide
SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-630-155-2

Query Match 100.0%; Score 419; DB 4; Length 419;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MEALACRMGLIALLPKCASTOVCTGTDKRLRPASPERTLIDKLRHLRYOCQVVOGTL	60
DB	1	MEALACRMGLIALLPKCASTOVCTGTDKRLRPASPERTLIDKLRHLRYOCQVVOGTL	60
QY	61	ELTYLPNANSLFDIDIOEVQGVLIANOVQVFLQRLIVRGTLQFEDNYALAVLDNG	120

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DB 61 ELTVLPTVASISFLODDIOEVGVILAINOVROVPLQRLRIVRTQLFEDVYALAVDNG 120
QY 121 DPLNNTPTVGTASPGGLRELOLRSITELIKGVILIQRPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTPTVGTASPGGLRELOLRSITELIKGVILIQRPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDITNRSRACHPCSPWCKSGRCWGSSEDCQSLTRTVCGAGCARCGPLPTDCHEQC 240
DB 181 LTLIDITNRSRACHPCSPWCKSGRCWGSSEDCQSLTRTVCGAGCARCGPLPTDCHEQC 240
QY 241 AAGCGPHSDICLALHNHSGICELHCPALVTNTDFESMPNDEGYTGASCYACF 300
DB 241 AAGCGPHSDICLALHNHSGICELHCPALVTNTDFESMPNDEGYTGASCYACF 300
QY 301 YNYLSTDVGSCTLVCPILHNOEVTADGTQRCCKSKPCARGTHSILPRPAAVPVPLMOP 360
DB 301 YNYLSTDVGSCTLVCPILHNOEVTADGTQRCCKSKPCARGTHSILPRPAAVPVPLMOP 360
QY 361 GPHAVLSFLRPSMDVNAFVSLPLAPISPTSPVSVRGDPDPAHVAVNLSRYEG 419
DB 361 GPHAVLSFLRPSMDVNAFVSLPLAPISPTSPVSVRGDPDPAHVAVNLSRYEG 419

RESULT 2

US-09-648-067A-1
Sequence 1, Application US/09648067A
Patent No. 6627196
GENERAL INFORMATION:
APPLICANT: Baughman, Sharon A.
TITLE OF INVENTION: Dosages for Treatment with Anti-ErbB2 Antibodies
FILE REFERENCE: P175R1
CURRENT APPLICATION NUMBER: US/09/648,067A
CURRENT FILING DATE: 2000-08-25
PRIOR APPLICATION NUMBER: US 60/151,018
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: US 60/213,822
PRIOR FILING DATE: 2000-06-23
NUMBER OF SEQ ID NOS: 15
SEQ ID NO 1
LENGTH: 166
TYPE: PRT
ORGANISM: Homo sapiens
US-09-648-067A-1

Query Match 39.6%; Score 166; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 6.4e-151; Indels 0; Gaps 0;
Matches 166; Conservative 0; Mismatches 0;

QY 26 CTGTDMKRLPASPETHLDMRLHLYQGCQVQAGNTLTYLPTNASTSLFLODIOEVGYL 85
DB 1 CTGTDMKRLPASPETHLDMRLHLYQGCQVQAGNTLTYLPTNASTSLFLODIOEVGYL 60
QY 86 IAHNOVROVPLQRLRIVRTQLFEDVYALAVDNGDPLNNTPTVGTASPGGLRELOLRS 145
DB 61 IAHNOVROVPLQRLRIVRTQLFEDVYALAVDNGDPLNNTPTVGTASPGGLRELOLRS 120
QY 146 TELIKGVILIQRPOLCYODTILMKDIFHKNNOLA1TLIDITNRSRA 191
DB 121 TELIKGVILIQRPOLCYODTILMKDIFHKNNOLA1TLIDITNRSRA 166

RESULT 3

US-08-421-356-3
Sequence 3, Application US/08421356
Patent No. 5783404
GENERAL INFORMATION:
APPLICANT: Koski, Raymond A.
TITLE OF INVENTION: HER-2
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.

STREET: 1640 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/421,356
FILING DATE:
CLASSIFICATION: 436
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-327
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 97 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-421-356-3

Query Match 22.9%; Score 96; DB 1; Length 97;
Best Local Similarity 100.0%; Pred. No. 3.8e-84;
Matches 96; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 96 LQRLIRVGTQLFEDVYALAVDNGDPLNNTPTVGTASPGGLRELOLRSITELIKGVIL 155
DB 2 LQRLIRVGTQLFEDVYALAVDNGDPLNNTPTVGTASPGGLRELOLRSITELIKGVIL 61
QY 156 QRNPOCYODTILMKDIFHKNNOLA1TLIDITNRSRA 191
DB 62 QRNPOCYODTILMKDIFHKNNOLA1TLIDITNRSRA 97

RESULT 4

US-09-046-783-3
Sequence 3, Application US/09046783
Patent No. 6441143
GENERAL INFORMATION:
APPLICANT: Koski, Raymond A.
TITLE OF INVENTION: HER-2
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1640 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/046,783
FILING DATE: 23-Mar-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/421,356
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-327
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 97 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-046-783-3

Query Match 22.9%; Score 96; DB 4; Length 97;
Best Local Similarity 100.0%; Pred. No. 3,8e-84;
Matches 96; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 96 LQRLIVRTQGFEDNYALAVLDNDPLNTTPYTGASGGRGRLQSLTEILKGGTLL 155
DB 2 LQRLIVRTQGFEDNYALAVLDNDPLNTTPYTGASGGRGRLQSLTEILKGGTLL 61

QY 156 GRNPOLCYQDTLWKDIFKNNQALATLIDTRSRRA 191
DB 62 GRNPOLCYQDTLWKDIFKNNQALATLIDTRSRRA 97

RESULT 5
US-09-630-155-1
Sequence 1, Application US/09630155
Patent No. 6414130
GENERAL INFORMATION:
APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: DAVIS WRIGHT TREMAINE LLP
STREET: 1501 Fourth Avenue, 2600 Century Square
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PC compatible
OPERATING SYSTEM: Windows95
SOFTWARE: Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/630,155
FILING DATE: 16-Jan-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Davison, Barry L.
REGISTRATION NUMBER: 47,309
REFERENCE/DOCKET NUMBER: 49321-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206 628-7621
TELEFAX: 206 628-7699
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 79
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: HER-2 ECD antagonist
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-630-155-1

Query Match 18.9%; Score 79; DB 4; Length 79;
Best Local Similarity 100.0%; Pred. No. 5,8e-68;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 341 GHSLLPRPAAYVPRMOPGPAHPLSLRPSWDLYSAFYSLPLALPSPTSVPSVSV 400
DB 1 GHSLLPRPAAYVPRMOPGPAHPLSLRPSWDLYSAFYSLPLALPSPTSVPSVSV 60

QY 401 GRGPDPAHVAVALSRVEG 419
DB 61 GRGPDPAHVAVALSRVEG 79

RESULT 6
US-09-648-067A-2
Sequence 2, Application US/09648067A
Patent No. 6627196
GENERAL INFORMATION:
APPLICANT: Baughman, Sharon A.
TITLE OF INVENTION: Dosages for Treatment with Anti-ErbB2 Antibodies
FILE REFERENCE: P1775R1
CURRENT APPLICATION NUMBER: US/09/648,067A
CURRENT FILING DATE: 2000-08-25
PRIOR APPLICATION NUMBER: US 60/151,018
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: US 60/213,822
PRIOR FILING DATE: 2000-06-23
NUMBER OF SEQ ID NOS: 15
SEQ ID NO 2
LENGTH: 32
TYPE: PRT
ORGANISM: Homo sapiens
US-09-648-067A-2

Query Match 7.6%; Score 32; DB 4; Length 32;
Best Local Similarity 100.0%; Pred. No. 2,4e-23;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 STQVCTGTDMKLRIPASRFTLMDLRHLYQGC 53
DB 1 STQVCTGTDMKLRIPASRFTLMDLRHLYQGC 32

RESULT 7
US-08-467-083-61
Sequence 61, Application US/08467083
Patent No. 5726023
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,083
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/414,417
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
TELEX: 3723836 SEDANBERY
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid

STRANDEDNESS:
TOPOLOGY: linear
US-08-467-083-61

Query Match 4.1%; Score 17; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3e-09;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 98 RLRIVRGTQLEFDNYAL 114
DB 1 RLRIVRGTQLEFDNYAL 17

RESULT 8

US-08-414-417B-61
Sequence 61, Application US/08414417B

Patent No. 5801005
GENERAL INFORMATION:

APPLICANT: Cheever, Martin A.

APPLICANT: Disis, Mary L.

TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN

TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

NUMBER OF SEQUENCES: 69

CORRESPONDENCE ADDRESS:

ADDRESSEE: Seed and Berry LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: US

ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/414,417B

FILING DATE: 31-MAR-1995

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Sharkey, Richard G.

REGISTRATION NUMBER: 32,629

REFERENCE/DOCKET NUMBER: 920010.448C2

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 61:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

US-08-414-417B-61

Query Match 4.1%; Score 17; DB 1; Length 17;

Best Local Similarity 100.0%; Pred. No. 3e-09;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 98 RLRIVRGTQLEFDNYAL 114

DB 1 RLRIVRGTQLEFDNYAL 17

RESULT 9

US-08-486-348A-61

Sequence 61, Application US/08486348A

Patent No. 584538

GENERAL INFORMATION:

APPLICANT: Cheever, Martin A.

APPLICANT: Disis, Mary L.

TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN

TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED

NUMBER OF SEQUENCES: 69

CORRESPONDENCE ADDRESS:

ADDRESSEE: Seed and Berry LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: US

ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/486,348A

FILING DATE: 07-JUN-1995

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Sharkey, Richard G.

REGISTRATION NUMBER: 32,629

REFERENCE/DOCKET NUMBER: 920010.448C6

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 61:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

US-08-486-348A-61

Query Match 4.1%; Score 17; DB 2; Length 17;

Best Local Similarity 100.0%; Pred. No. 3e-09;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 98 RLRIVRGTQLEFDNYAL 114

DB 1 RLRIVRGTQLEFDNYAL 17

RESULT 10

US-08-486-545B-61

Sequence 61, Application US/08486545B

Patent No. 5876712

GENERAL INFORMATION:

APPLICANT: Cheever, Martin A.

APPLICANT: Disis, Mary L.

TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN

TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

NUMBER OF SEQUENCES: 69

CORRESPONDENCE ADDRESS:

ADDRESSEE: Seed and Berry LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: US

ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/486,545B

FILING DATE: 06-JUN-1995

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Sharkey, Richard G.

REGISTRATION NUMBER: 32,629

REFERENCE/DOCKET NUMBER: 920010.448C5

TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-466-680B-61

Query Match 4.1%; Score 17; DB 2; Length 17;
Best Local Similarity 100.0%; Pred. No. 3e-09;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 RLRIVRGTLFEDNYAL 114
DB 1 RLRIVRGTLFEDNYAL 17

RESULT 11
US-08-466-680B-61
Sequence 61, Application US/08466680B
Patent No. 6075122
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
ATTORNEY/AGENT INFORMATION:
NAME: Disis, Mary L.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C9
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,680B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 682-6031
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-466-680B-61

Query Match 4.1%; Score 17; DB 3; Length 17;
Best Local Similarity 100.0%; Pred. No. 3e-09;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 RLRIVRGTLFEDNYAL 114
DB 1 RLRIVRGTLFEDNYAL 17

RESULT 12
US-09-354-533-61

Sequence 61, Application US/09354533
Patent No. 6664370
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
ATTORNEY/AGENT INFORMATION:
NAME: Disis, Mary L.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C9
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/354,533
FILING DATE: 15-JUL-1999
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 682-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
US-09-354-533-61

Query Match 4.1%; Score 17; DB 4; Length 17;
Best Local Similarity 100.0%; Pred. No. 3e-09;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 RLRIVRGTLFEDNYAL 114
DB 1 RLRIVRGTLFEDNYAL 17

RESULT 13
US-08-467-083-30
Sequence 30, Application US/08467083
Patent No. 5726023
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
ATTORNEY/AGENT INFORMATION:
NAME: Disis, Mary L.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C9
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/467,083
;; FILING DATE: 06-JUN-1995
;; CLASSIFICATION: 424
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/414,417
;; FILING DATE: 06-JUN-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Sharkey, Richard G.
;; REGISTRATION NUMBER: 32,629
;; REFERENCE/DOCKET NUMBER: 920010.448C2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (206) 622-4900
;; TELEFAX: (206) 682-6031
;; TELEX: 3723836 SEDANBERRY
;; INFORMATION FOR SEQ ID NO: 30:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 15 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; US-08-467-083-30

Query Match 3.6%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 HLDMLRLHYGCGV 56
DB 1 HLDMLRLHYGCGV 15

RESULT 14
US-08-467-083-31
Sequence 31, Application US/08467083
Patent No. 5726023
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
TITLE OF INVENTION: HER-2/NEU ONCOGENE IS ASSOCIATED
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESS: Seed and Berry
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,083
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/414,417
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
TELEX: 3723836 SEDANBERRY
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid

;; TOPOLOGY: linear
;; US-08-467-083-31

Query Match 3.6%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 95 PLORLRIYRGTOLE 109
DB 1 PLORLRIYRGTOLE 15

RESULT 15
US-08-467-083-32
Sequence 32, Application US/08467083
Patent No. 5726023
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
TITLE OF INVENTION: HER-2/NEU ONCOGENE IS ASSOCIATED
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESS: Seed and Berry
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,083
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/414,417
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
TELEX: 3723836 SEDANBERRY
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
TOPOLOGY: linear
;; US-08-467-083-32

Query Match 3.6%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 142 LRSITETILKGVILQ 156
DB 1 LRSITETILKGVILQ 15

Search completed: June 4, 2004, 10:56:56
Job time : 24 secs

Fri Jun 4 11:10:13 2004

US-09-234-208b-2.rapb

Page 1

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 4, 2004, 10:40:12 ; Search time 65.6265 Seconds
(without alignments)
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Title: US-09-234-208b-2

Sequence: 1 METALCRGGLLALPFGA.....VGRGPDPAVAVNLSRYG 419

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Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	2171	94.9	419	16	US-10-302-663-2
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4	1878	82.1	645	9	US-09-921-161-1
5	1878	82.1	645	14	US-10-268-501-13
6	1878	82.1	645	15	US-10-608-626-13
7	1878	82.1	653	9	US-09-854-356-3
8	1878	82.1	653	15	US-10-412-804A-4
9	1878	82.1	690	15	US-10-412-804A-11
10	1878	82.1	712	9	US-09-854-356-7
11	1878	82.1	715	15	US-10-412-804A-10
12	1878	82.1	919	9	US-09-854-356-6
13	1878	82.1	1253	14	US-10-146-473-72
14	1878	82.1	1255	9	US-09-811-123-9
15	1878	82.1	1255	9	US-09-811-115-3

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17	1878	82.1	1255	9	US-09-854-356-1	Sequence 1, Appli
18	1878	82.1	1255	9	US-09-930-125-2	Sequence 2, Appli
19	1878	82.1	1255	10	US-09-441-411-6	Sequence 6, Appli
20	1878	82.1	1255	12	US-09-984-092-4	Sequence 3, Appli
21	1878	82.1	1255	12	US-10-469-162-3	Sequence 553, App
22	1878	82.1	1255	12	US-10-253-286-553	Sequence 2, Appli
23	1878	82.1	1255	12	US-09-765-973-2	Sequence 3, Appli
24	1878	82.1	1255	12	US-10-418-027-3	Sequence 45, Appli
25	1878	82.1	1255	14	US-10-207-655-15	Sequence 126, App
26	1878	82.1	1255	14	US-10-177-293-126	Sequence 6, Appli
27	1878	82.1	1255	14	US-10-207-498-6	Sequence 2, Appli
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29	1878	82.1	1255	14	US-10-313-644-2	Sequence 4, Appli
30	1878	82.1	1255	14	US-10-322-892-4	Sequence 28, Appli
31	1878	82.1	1255	15	US-10-272-437A-28	Sequence 594, App
32	1878	82.1	1255	15	US-10-117-937-594	Sequence 17, Appli
33	1878	82.1	1255	15	US-10-394-322A-17	Sequence 553, App
34	1878	82.1	1255	15	US-10-245-871-553	Sequence 36, Appli
35	1878	82.1	1255	15	US-10-435-696-36	Sequence 4641, App
36	1878	82.1	1255	15	US-10-149-138-4641	Sequence 68, Appli
37	1878	82.1	1255	16	US-10-647-005-68	Sequence 5, Appli
38	1612.5	70.5	479	9	US-09-821-883-5	Sequence 3, Appli
39	1610.5	70.4	564	9	US-09-821-883-3	Sequence 4, Appli
40	1610.5	70.4	697	9	US-09-821-883-4	Sequence 8, Appli
41	1608.5	70.3	654	9	US-09-854-356-8	Sequence 2, Appli
42	1608.5	70.3	1256	9	US-09-854-356-2	Sequence 118, App
43	1608.5	70.3	1260	9	US-09-870-759-118	Sequence 118, App
44	1608.5	70.3	1260	10	US-09-751-708A-118	Sequence 1, Appli
45	1607	70.3	555	9	US-09-821-883-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-10-344-470-2
Sequence 2, Application US/10344470
Publication No. US20040052796A1
GENERAL INFORMATION:
APPLICANT: Clinton, Gail M.
TITLE OF INVENTION: EXPRESSION OF HERSPATIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN THAT EXPRESS EITHER P185HER-2 OR THE BGF RECEPTOR INHIBITS RECE
FILE REFERENCE: 49321-81
CURRENT APPLICATION NUMBER: US/10/344,470
CURRENT FILING DATE: 2003-06-09
PRIOR APPLICATION NUMBER: PCT / US01/25502
PRIOR FILING DATE: 2001-08-14
PRIOR APPLICATION NUMBER: US 09/638,834
PRIOR FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 419
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (342)..(342)
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this
OTHER INFORMATION: position
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (345)..(345)
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this
OTHER INFORMATION: position
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (346)..(346)
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
OTHER INFORMATION: position
FEATURE:

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NAME/KEY: MISC FEATURE
LOCATION: (356)..(356)
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (358)..(358)
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at this
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LOCATION: (361)..(361)
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence variant
FEATURE:
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LOCATION: (376)..(376)
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FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (394)..(394)
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at this
FEATURE:
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LOCATION: (404)..(404)
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (413)..(413)
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at this
OTHER INFORMATION: position
US-10-344-470-2

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Query Match      95.5%; Score 2183; DB 12; Length 419;
Best Local Similarity 95.9%; Pred. No. 6.3e-173;
Matches 402; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

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DB 61 ELTYLPTNASLSPLODIOEVGVYLAHQVROVPLQRLRIVRGTLFEDNYALAVDNG 120
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DB 121 DPLANTTPTVGTASPGRLRLQRLSLTEILKGVLIQRPOLCYODTILMKDIFHKNNOLA 180
QY 121 DPLANTTPTVGTASPGRLRLQRLSLTEILKGVLIQRPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLANTTPTVGTASPGRLRLQRLSLTEILKGVLIQRPOLCYODTILMKDIFHKNNOLA 180
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DB 181 LFLIDNRSRACHPCSPMCKSGSRCKWGESSEDCQSLTRTVACAGGACRCKGPLEPTDCHEQC 240
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DB 241 AAGCTGPKASDCLACLFHNSGICELKCPALVTYNTVTSNPNPGRTRTBSACVTAAP 300
QY 301 VNYLSDVGSCTIVCEPLHQEVTAEDTORCEKCSKPCARGTHSLPRPAVVPVRLMP 360
DB 301 VNYLSDVGSCTIVCEPLHQEVTAEDTORCEKCSKPCARGTHSLPRPAVVPVRLMP 360
QY 361 GPHAPVLSLRPSMDLVSAFYSLPLAPLPTSPVPSVGVGSPDDDAVAVNLSRYEG 419
DB 361 GPHAPVLSLRPSMDLVSAFYSLPLAPLPTSPVPSVGVGSPDDDAVAVNLSRYEG 419
QY 361 XPHAPVLSLRPSMDLVSAFYSLPLAPLPTSPVPSVGVGSPDDDAVAVNLSRYEG 419
DB 361 XPHAPVLSLRPSMDLVSAFYSLPLAPLPTSPVPSVGVGSPDDDAVAVNLSRYEG 419

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RESULT 2
US-10-302-663-2
Sequence 2, Application US/10302663
Publication No. US20040022785A1

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GENERAL INFORMATION:
APPLICANT: Clinton, Gall M.
TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE HER-2/NEU PRODUCT, IN C
TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE HER-2/NEU PRODUCT, IN C
TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE HER-2/NEU PRODUCT, IN C
FILE REFERENCE: 49321-73
CURRENT APPLICATION NUMBER: US/10/302,663
CURRENT FILING DATE: 2002-11-22
PRIORITY FILING DATE: 2000-08-14
PRIORITY FILING DATE: 2000-08-14
SEQ ID NO 2
LENGTH: 419
TYPE: PRT
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: VARIANT
LOCATION: 342
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 345
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 346
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 356
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 358
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 361
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence varia
OTHER INFORMATION: position
FEATURE:
NAME/KEY: VARIANT
LOCATION: 376
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 394
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 404
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at thi
FEATURE:
NAME/KEY: VARIANT
LOCATION: 413
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at thi
US-10-302-663-2

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Query Match      94.9%; Score 2171; DB 16; Length 419;
Best Local Similarity 95.5%; Pred. No. 6.2e-172;
Matches 400; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

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QY 1 MELALCRWGLLALPPGAASVCTGTDMKRLPASPEHMLRLHLYOGCQVVOGNTL 60
DB 1 MELALCRWGLLALPPGAASVCTGTDMKRLPASPEHMLRLHLYOGCQVVOGNTL 60
QY 61 ELTYLPTNASLSPLODIOEVGVYLAHQVROVPLQRLRIVRGTLFEDNYALAVDNG 120
DB 61 ELTYLPTNASLSPLODIOEVGVYLAHQVROVPLQRLRIVRGTLFEDNYALAVDNG 120
QY 121 DPLANTTPTVGTASPGRLRLQRLSLTEILKGVLIQRPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLANTTPTVGTASPGRLRLQRLSLTEILKGVLIQRPOLCYODTILMKDIFHKNNOLA 180

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QY 181 LTLIDNRRACPCPCPKCKGSCWGESSEDCQSLRTVCAAGCAGCCKGPLPTDCHBQC 240
 DB 181 LTLIDNRRACPCPCPKCKGSCWGESSEDCQSLRTVCAAGCAGCCKGPLPTDCHBQC 240
 QY 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTEFSMNPBGRYTFGASCVTACP 300
 DB 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTEFSMNPBGRYTFGASCVTACP 300
 QY 301 YNVLSTDVGSCTLVCPLEHNOEVTAEEDGTQRCCKSCPCARCTHSLPRPAAPVPLRMP 360
 DB 301 YNVLSTDVGSCTLVCPLEHNOEVTAEEDGTQRCCKSCPCARCTHSLPRPAAPVPLRMP 360
 QY 361 GPHAPLPSFLRPSWMDVSAFYSLPLAPLSTSVISPVSGRGPDPDAVAVALSYEG 419
 DB 361 XPHAPLPSFLRPSWMDVSAFYSLPLAPLSTSVISPVSGRGPDPDAVAVALSYEG 419

RESULT 3

US-10-412-804A-6
 ; Sequence 6, Application US/10412804A
 ; Publication No. US20030228606A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jmg, Shugian
 ; APPLICANT: Tatarewicz, Suzanna
 ; TITLE OF INVENTION: HER-2 Receptor Tyrosine Kinase Molecules and Uses
 ; FILE REFERENCE: 01-1624-A
 ; CURRENT APPLICATION NUMBER: US/10/412,804A
 ; CURRENT FILING DATE: 2003-04-11
 ; PRIOR APPLICATION NUMBER: 60/371,912
 ; PRIOR FILING DATE: 2002-04-11
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 6
 ; LENGTH: 720
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-412-804A-6

Query Match
 Best Local Similarity 76.9%; Pred. No. 2,1e-147;
 Matches 367; Conservative 7; Mismatches 40; Indels 63; Gaps 7;

QY 1 MELALCRNGLLIALLPFGAASCTGCTGDMKRLPASPETHLDMRLHYOGCQVQGNL 60
 DB 1 MELALCRNGLLIALLPFGAASCTGCTGDMKRLPASPETHLDMRLHYOGCQVQGNL 60
 QY 61 ELTYLPITASLSFLQDIOEVQGVYLIANOVROVPLQRLRIYRGTOLEFDNYALAVLDNG 120
 DB 61 ELTYLPITASLSFLQDIOEVQGVYLIANOVROVPLQRLRIYRGTOLEFDNYALAVLDNG 120
 QY 121 DPINNTTPTVGASPGGLRELOSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNQOLA 180
 DB 121 DPINNTTPTVGASPGGLRELOSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNQOLA 180
 QY 181 LTLIDNRRACPCPCPKCKGSCWGESSEDCQSLRTVCAAGCAGCCKGPLPTDCHBQC 240
 DB 181 LTLIDNRRACPCPCPKCKGSCWGESSEDCQSLRTVCAAGCAGCCKGPLPTDCHBQC 240
 QY 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTEFSMNPBGRYTFGASCVTACP 300
 DB 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTEFSMNPBGRYTFGASCVTACP 300
 QY 301 YNVLSTDVGSCTLVCPLEHNOEVTAEEDGTQRCCKSCPCARCTHSLPRPAAPVPLRMP 360
 DB 301 YNVLSTDVGSCTLVCPLEHNOEVTAEEDGTQRCCKSCPCARCTHSLPRPAAPVPLRMP 360
 QY 361 GPHAPLPSFLRPSWMDVSAFYSLPLAPLSTSVISPVSGRGPDPDAVAVALSYEG 419
 DB 361 GPHAPLPSFLRPSWMDVSAFYSLPLAPLSTSVISPVSGRGPDPDAVAVALSYEG 419

DB 421 -----YRDPASNTAPLQREQLQVFETLEIRNGYLIASMPDPLPLSTFQNLQVIRG 472

RESULT 4

US-09-921-161-1
 ; Sequence 1, Application US/09921161
 ; Patent No. US20020090662A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ralph, Peter
 ; TITLE OF INVENTION: ANALYTICAL METHOD
 ; FILE REFERENCE: GENEENT.066A
 ; CURRENT APPLICATION NUMBER: US/09/921,161
 ; CURRENT FILING DATE: 2001-08-01
 ; PRIOR APPLICATION NUMBER: 60/225,433
 ; PRIOR FILING DATE: 2000-08-15
 ; NUMBER OF SEQ ID NOS: 1
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 645
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-921-161-1

Query Match
 Best Local Similarity 83.0%; Pred. No. 2.4e-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELALCRNGLLIALLPFGAASCTGCTGDMKRLPASPETHLDMRLHYOGCQVQGNL 60
 DB 1 MELALCRNGLLIALLPFGAASCTGCTGDMKRLPASPETHLDMRLHYOGCQVQGNL 60
 QY 61 ELTYLPITASLSFLQDIOEVQGVYLIANOVROVPLQRLRIYRGTOLEFDNYALAVLDNG 120
 DB 61 ELTYLPITASLSFLQDIOEVQGVYLIANOVROVPLQRLRIYRGTOLEFDNYALAVLDNG 120
 QY 121 DPINNTTPTVGASPGGLRELOSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNQOLA 180
 DB 121 DPINNTTPTVGASPGGLRELOSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNQOLA 180
 QY 181 LTLIDNRRACPCPCPKCKGSCWGESSEDCQSLRTVCAAGCAGCCKGPLPTDCHBQC 240
 DB 181 LTLIDNRRACPCPCPKCKGSCWGESSEDCQSLRTVCAAGCAGCCKGPLPTDCHBQC 240
 QY 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTEFSMNPBGRYTFGASCVTACP 300
 DB 241 AAGCTGPKRSDCLACIAPHNSGICELHCPALVTYNTDTEFSMNPBGRYTFGASCVTACP 300
 QY 301 YNVLSTDVGSCTLVCPLEHNOEVTAEEDGTQRCCKSCPCARCTHSLPRPAAPVPLRMP 360
 DB 301 YNVLSTDVGSCTLVCPLEHNOEVTAEEDGTQRCCKSCPCARCTHSLPRPAAPVPLRMP 360
 QY 361 GPHAPLPSFLRPSWMDVSAFYSLPLAPLSTSVISPVSGRGPDPDAVAVALSYEG 419
 DB 361 GPHAPLPSFLRPSWMDVSAFYSLPLAPLSTSVISPVSGRGPDPDAVAVALSYEG 419

RESULT 5

US-10-268-501-13
 ; Sequence 13, Application US/10268501
 ; Publication No. US20030086924A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sliwkowski, Mark X.
 ; TITLE OF INVENTION: Treatment with Anti-ErbB2 Antibodies
 ; FILE REFERENCE: P16782P1
 ; CURRENT APPLICATION NUMBER: US/10/268,501
 ; CURRENT FILING DATE: 2002-10-10
 ; PRIOR APPLICATION NUMBER: US 09/602,812
 ; PRIOR FILING DATE: 2000-06-23

QY 406 ---PDARVAVNLSTRYEG 419
 DB 418 SLPLDLSVFONLQVIRG 433

PRIOR APPLICATION NUMBER: US 60/141,316
 PRIOR FILING DATE: 1999-06-25
 NUMBER OF SEQ ID NOS: 13
 SEQ ID NO 13
 LENGTH: 645
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-268-501-13

Query Match 82.1%; Score 1878; DB 14; Length 645;
 Best Local Similarity 83.0%; Pred. No. 2.4e-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALPPGAASVQVCTGTDMKRLPASPEHLDMLRHLYOGCQVQGNL 60
 DB 1 MELAALCRWGLLALPPGAASVQVCTGTDMKRLPASPEHLDMLRHLYOGCQVQGNL 60
 QY 61 ELTYLPTNASLSFLQDIQEVQVYLIAHQVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
 DB 61 ELTYLPTNASLSFLQDIQEVQVYLIAHQVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
 QY 121 DPLNNTPTVGTASPGGIRELQRLSLTELKGGVLIQRNPQLCYQDTILMKDIFHKNNOLA 180
 DB 121 DPLNNTPTVGTASPGGIRELQRLSLTELKGGVLIQRNPQLCYQDTILMKDIFHKNNOLA 180
 QY 181 LTLIDTNRSAACHPCSPCKGSRGCGESSEDCOSLRTVAGAGCARKGPLPTDCCHQC 240
 DB 181 LTLIDTNRSAACHPCSPCKGSRGCGESSEDCOSLRTVAGAGCARKGPLPTDCCHQC 240
 QY 241 AAGCTGPKSDCLACLFHNSGICELHCPALVTYNTDTFESKPNBGRYTFGASCVTACP 300
 DB 241 AAGCTGPKSDCLACLFHNSGICELHCPALVTYNTDTFESKPNBGRYTFGASCVTACP 300
 QY 301 YNYLSTVGSCTLVCPHNOEVTAEADGTQRCCKSKPCARVCGIGLMEHLREVRAYTSAN 360
 DB 301 YNYLSTVGSCTLVCPHNOEVTAEADGTQRCCKSKPCARVCGIGLMEHLREVRAYTSAN 360
 QY 361 IGFAGCKKIFGSLAFPESEFDGDPASNT---APLQBPOLQVETLEIRTYLISAMPD 417
 DB 361 IGFAGCKKIFGSLAFPESEFDGDPASNT---APLQBPOLQVETLEIRTYLISAMPD 417
 QY 406 --PDAAVAVNLSRYEG 419
 DB 406 --PDAAVAVNLSRYEG 419
 QY 418 SLPLSVFQNLQVIRG 433
 DB 418 SLPLSVFQNLQVIRG 433

RESULT 6

US-10-608-626-13
 Sequence 13, Application US/10608626
 Publication No. US2004001367A1
 GENERAL INFORMATION:
 APPLICANT: Kelsey, Stephen M.
 APPLICANT: Sliwowski, Mark X.
 TITLE OF INVENTION: Treatment with Anti-ErbB2 Antibodies
 FILE REFERENCE: P1467B2P2
 CURRENT APPLICATION NUMBER: US/10/608,626
 PRIOR FILING DATE: 2003-06-27
 PRIOR APPLICATION NUMBER: US 10/268,501
 PRIOR FILING DATE: 2002-10-10
 PRIOR APPLICATION NUMBER: US 09/602,812
 PRIOR FILING DATE: 2000-06-23
 PRIOR APPLICATION NUMBER: US 60/141,316
 PRIOR FILING DATE: 1999-06-25
 NUMBER OF SEQ ID NOS: 13
 SEQ ID NO 13
 LENGTH: 645
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-608-626-13

Query Match 82.1%; Score 1878; DB 15; Length 645;
 Best Local Similarity 83.0%; Pred. No. 2.4e-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALPPGAASVQVCTGTDMKRLPASPEHLDMLRHLYOGCQVQGNL 60
 DB 1 MELAALCRWGLLALPPGAASVQVCTGTDMKRLPASPEHLDMLRHLYOGCQVQGNL 60
 QY 61 ELTYLPTNASLSFLQDIQEVQVYLIAHQVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
 DB 61 ELTYLPTNASLSFLQDIQEVQVYLIAHQVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
 QY 121 DPLNNTPTVGTASPGGIRELQRLSLTELKGGVLIQRNPQLCYQDTILMKDIFHKNNOLA 180
 DB 121 DPLNNTPTVGTASPGGIRELQRLSLTELKGGVLIQRNPQLCYQDTILMKDIFHKNNOLA 180
 QY 181 LTLIDTNRSAACHPCSPCKGSRGCGESSEDCOSLRTVAGAGCARKGPLPTDCCHQC 240
 DB 181 LTLIDTNRSAACHPCSPCKGSRGCGESSEDCOSLRTVAGAGCARKGPLPTDCCHQC 240
 QY 241 AAGCTGPKSDCLACLFHNSGICELHCPALVTYNTDTFESKPNBGRYTFGASCVTACP 300
 DB 241 AAGCTGPKSDCLACLFHNSGICELHCPALVTYNTDTFESKPNBGRYTFGASCVTACP 300
 QY 301 YNYLSTVGSCTLVCPHNOEVTAEADGTQRCCKSKPCARVCGIGLMEHLREVRAYTSAN 360
 DB 301 YNYLSTVGSCTLVCPHNOEVTAEADGTQRCCKSKPCARVCGIGLMEHLREVRAYTSAN 360
 QY 361 IGFAGCKKIFGSLAFPESEFDGDPASNT---APLQBPOLQVETLEIRTYLISAMPD 417
 DB 361 IGFAGCKKIFGSLAFPESEFDGDPASNT---APLQBPOLQVETLEIRTYLISAMPD 417
 QY 406 --PDAAVAVNLSRYEG 419
 DB 406 --PDAAVAVNLSRYEG 419
 QY 418 SLPLSVFQNLQVIRG 433
 DB 418 SLPLSVFQNLQVIRG 433

RESULT 7

US-09-854-356-3
 Sequence 3, Application US/09854356
 Patent No. US2002017567A1
 GENERAL INFORMATION:
 APPLICANT: Cheever, Martin A.
 APPLICANT: Cheyssen, Dirk
 APPLICANT: Corixa Corporation
 APPLICANT: SmithKline Beecham Biologicals S. A.
 TITLE OF INVENTION: HER-2/neu Fusion Proteins
 FILE REFERENCE: 014058-009810PC
 CURRENT APPLICATION NUMBER: US/09/854,356
 PRIOR FILING DATE: 2001-05-09
 PRIOR APPLICATION NUMBER: US 09/493,480
 PRIOR FILING DATE: 2000-01-28
 PRIOR APPLICATION NUMBER: US 60/117,976
 PRIOR FILING DATE: 1999-01-29
 NUMBER OF SEQ ID NOS: 26
 SEQ ID NO 3
 LENGTH: 653
 TYPE: PRT
 ORGANISM: Homo sapiens
 OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
 US-09-854-356-3

Query Match 82.1%; Score 1878; DB 9; Length 653;
 Best Local Similarity 83.0%; Pred. No. 2.5e-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALPPGAASVQVCTGTDMKRLPASPEHLDMLRHLYOGCQVQGNL 60
 DB 1 MELAALCRWGLLALPPGAASVQVCTGTDMKRLPASPEHLDMLRHLYOGCQVQGNL 60
 QY 61 ELTYLPTNASLSFLQDIQEVQVYLIAHQVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
 DB 61 ELTYLPTNASLSFLQDIQEVQVYLIAHQVQVPLQRLIRVGTQLFEDNYALAVLDNG 120

QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
 DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
 QY 181 LTLIDNRRSRAHPCSPMKGSRGKESSEDCOSLTRVCAGGACRCKGLPTDCCHEQC 240
 DB 181 LTLIDNRRSRAHPCSPMKGSRGKESSEDCOSLTRVCAGGACRCKGLPTDCCHEQC 240
 QY 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCTYACP 300
 DB 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCTYACP 300
 QY 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCAR-----GTHSLRPPAIVP 355
 DB 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCARVCGYGLGMEHLREYRAVTSAN 360
 QY 356 LRMQPG--PAHVLSPFLRPSMDLVSAFYSLEPLAPLSPTSVPI-----SPVSVGRGD 405
 DB 356 LRMQPGCKI RGSLLAPLESFDDPASNT---APLPBQLQVETLEBITGYLISAWPD 417
 QY 406 --PDHVAVNLSEYEG 419
 DB 418 SLPDLSVFQNLQVIRG 433

RESULT 8

US-10-412-804A-4
 ; Sequence 4, Application US/10412804A
 ; Publication No. US20030228606A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jinq, Shuguan
 ; APPLICANT: Tatarewicz, Suzanna
 ; TITLE OF INVENTION: HER-2 Receptor Tyrosine Kinase Molecules and Uses
 ; TITLE OF INVENTION: Theoreof
 ; FILE REFERENCE: 01-1624-A
 ; CURRENT APPLICATION NUMBER: US/10/412,804A
 ; CURRENT FILING DATE: 2003-04-11
 ; PRIOR APPLICATION NUMBER: 60/371,912
 ; PRIOR FILING DATE: 2002-04-11
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 4
 ; LENGTH: 685
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-412-804A-4

Query Match 82.1%; Score 1878; DB 15; Length 685;
 Best Local Similarity 83.0%; Pred. No. 2,6e-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MEIAALCRWGLLALLPFGAASQVCTGDMKRLPASPETHLDMRLHYOGQVQGNL 60
 DB 1 MEIAALCRWGLLALLPFGAASQVCTGDMKRLPASPETHLDMRLHYOGQVQGNL 60
 QY 61 ELTYLPTNASLSFLDIOIEVQGVYLIANQVROVPLQRLRIYRGTLFEDNTALAVLNG 120
 DB 61 ELTYLPTNASLSFLDIOIEVQGVYLIANQVROVPLQRLRIYRGTLFEDNTALAVLNG 120
 QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
 DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
 QY 181 LTLIDNRRSRAHPCSPMKGSRGKESSEDCOSLTRVCAGGACRCKGLPTDCCHEQC 240
 DB 181 LTLIDNRRSRAHPCSPMKGSRGKESSEDCOSLTRVCAGGACRCKGLPTDCCHEQC 240
 QY 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCTYACP 300
 DB 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCTYACP 300
 QY 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCAR-----GTHSLRPPAIVP 355
 DB 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCAR-----GTHSLRPPAIVP 355

DB 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCARVCGYGLGMEHLREYRAVTSAN 360
 QY 356 LRMQPG--PAHVLSPFLRPSMDLVSAFYSLEPLAPLSPTSVPI-----SPVSVGRGD 405
 DB 356 LRMQPGCKI RGSLLAPLESFDDPASNT---APLPBQLQVETLEBITGYLISAWPD 417
 QY 406 --PDHVAVNLSEYEG 419
 DB 418 SLPDLSVFQNLQVIRG 433

RESULT 9

US-10-412-804A-11
 ; Sequence 11, Application US/10412804A
 ; Publication No. US20030228606A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jinq, Shuguan
 ; APPLICANT: Tatarewicz, Suzanna
 ; TITLE OF INVENTION: HER-2 Receptor Tyrosine Kinase Molecules and Uses
 ; TITLE OF INVENTION: Theoreof
 ; FILE REFERENCE: 01-1624-A
 ; CURRENT APPLICATION NUMBER: US/10/412,804A
 ; CURRENT FILING DATE: 2003-04-11
 ; PRIOR APPLICATION NUMBER: 60/371,912
 ; PRIOR FILING DATE: 2002-04-11
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 11
 ; LENGTH: 690
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-412-804A-11

Query Match 82.1%; Score 1878; DB 15; Length 690;
 Best Local Similarity 83.0%; Pred. No. 2,6e-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MEIAALCRWGLLALLPFGAASQVCTGDMKRLPASPETHLDMRLHYOGQVQGNL 60
 DB 1 MEIAALCRWGLLALLPFGAASQVCTGDMKRLPASPETHLDMRLHYOGQVQGNL 60
 QY 61 ELTYLPTNASLSFLDIOIEVQGVYLIANQVROVPLQRLRIYRGTLFEDNTALAVLNG 120
 DB 61 ELTYLPTNASLSFLDIOIEVQGVYLIANQVROVPLQRLRIYRGTLFEDNTALAVLNG 120
 QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
 DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
 QY 181 LTLIDNRRSRAHPCSPMKGSRGKESSEDCOSLTRVCAGGACRCKGLPTDCCHEQC 240
 DB 181 LTLIDNRRSRAHPCSPMKGSRGKESSEDCOSLTRVCAGGACRCKGLPTDCCHEQC 240
 QY 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCTYACP 300
 DB 241 AAGCTGPKSDCLACIHFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCTYACP 300
 QY 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCAR-----GTHSLRPPAIVP 355
 DB 301 YNYLSTDVGSCTLVCPLENQVTAEDGTORCEKSKPCARVCGYGLGMEHLREYRAVTSAN 360
 QY 356 LRMQPG--PAHVLSPFLRPSMDLVSAFYSLEPLAPLSPTSVPI-----SPVSVGRGD 405
 DB 356 LRMQPGCKI RGSLLAPLESFDDPASNT---APLPBQLQVETLEBITGYLISAWPD 417
 QY 406 --PDHVAVNLSEYEG 419
 DB 418 SLPDLSVFQNLQVIRG 433

RESULT 10

US-09-854-356-7
 ; Sequence 7, Application US/09854356

Patent No. US20020177567A1
 GENERAL INFORMATION:
 APPLICANT: Cheever, Martin A.
 APPLICANT: Cheyssen, Dirk
 APPLICANT: Corixa Corporation
 APPLICANT: SmithKline Beecham Biologicals S. A.
 TITLE OF INVENTION: HER-2/neu Fusion Proteins
 FILE REFERENCE: 014058-009810PC
 CURRENT APPLICATION NUMBER: US/09/854,356
 CURRENT FILING DATE: 2001-05-09
 PRIOR APPLICATION NUMBER: US 09/493,480
 PRIOR FILING DATE: 2000-01-28
 PRIOR APPLICATION NUMBER: US 60/117,976
 PRIOR FILING DATE: 1999-01-29
 NUMBER OF SEQ ID NOS: 26
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 7
 LENGTH: 712
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURES:
 OTHER INFORMATION: Description of Artificial Sequence: fusion protein
 US-09-854-356-7

Query Match 82.1%; Score 1878; DB 9; Length 712;
 Best Local Similarity 83.0%; Pred. No. 2,76-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 METALCRMGILLALPPGAASVQCTGTMDRLPASPEHLDMLRHLYOGCCVVGNTL 60
 DB 1 METALCRMGILLALPPGAASVQCTGTMDRLPASPEHLDMLRHLYOGCCVVGNTL 60
 QY 61 ELTYLPTNASLFLQDIQEVGYVLAHQVQVPLQRLRVGTQLFEDNYALAVLNG 120
 DB 61 ELTYLPTNASLFLQDIQEVGYVLAHQVQVPLQRLRVGTQLFEDNYALAVLNG 120
 QY 121 PLNNTPTVPGASPGRLRLQSLTEILKGVLIQNPOLCYQDTILMKDIFKNNOLA 180
 DB 121 PLNNTPTVPGASPGRLRLQSLTEILKGVLIQNPOLCYQDTILMKDIFKNNOLA 180
 QY 181 LTLIDNRSRACHPCSPKCGSRCKGSESDQSLTRTVGAGGACRKGFLPTDCHEQC 240
 DB 181 LTLIDNRSRACHPCSPKCGSRCKGSESDQSLTRTVGAGGACRKGFLPTDCHEQC 240
 QY 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTYFGASCVTACP 300
 DB 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTYFGASCVTACP 300
 QY 301 YNYLSTVGSCTVCPLEHNOEVTAEDGTORCEKSKCAR-----GTHSLRPAAVVP 355
 DB 301 YNYLSTVGSCTVCPLEHNOEVTAEDGTORCEKSKCARVYGLMEHLREVAVTSAN 360
 QY 356 LKMPG--PAHPTLSFLRPSMDVSAFVSLPLASPTSVPI-----SPVSVGRGPD 405
 DB 356 LKMPG--PAHPTLSFLRPSMDVSAFVSLPLASPTSVPI-----SPVSVGRGPD 405
 QY 361 IQEFGCKKIFGSLALPESFDGDPASNT--APLQEQQLQVFTLEITGLYIISAMPD 417
 DB 361 IQEFGCKKIFGSLALPESFDGDPASNT--APLQEQQLQVFTLEITGLYIISAMPD 417
 QY 406 --PDAAVAVNLSRYEG 419
 DB 406 --PDAAVAVNLSRYEG 419
 QY 418 SLPLDSVFNQLQVIRG 433
 DB 418 SLPLDSVFNQLQVIRG 433

RESULT 11
 US-10-412-804A-10
 Sequence 10, Application US/10412804A
 Publication No. US20030228606A1
 GENERAL INFORMATION:
 APPLICANT: Jjing, Shuguan
 APPLICANT: Tatarewicz, Susanna
 TITLE OF INVENTION: HER-2 Receptor Tyrosine Kinase Molecules and Uses
 FILE REFERENCE: 01-1624-A
 CURRENT APPLICATION NUMBER: US/10/412,804A

CURRENT FILING DATE: 2003-04-11
 PRIOR APPLICATION NUMBER: 60/371,912
 PRIOR FILING DATE: 2002-04-11
 NUMBER OF SEQ ID NOS: 17
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 10
 LENGTH: 715
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-412-804A-10

Query Match 82.1%; Score 1878; DB 15; Length 715;
 Best Local Similarity 83.0%; Pred. No. 2,8e-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 METALCRMGILLALPPGAASVQCTGTMDRLPASPEHLDMLRHLYOGCCVVGNTL 60
 DB 1 METALCRMGILLALPPGAASVQCTGTMDRLPASPEHLDMLRHLYOGCCVVGNTL 60
 QY 61 ELTYLPTNASLFLQDIQEVGYVLAHQVQVPLQRLRVGTQLFEDNYALAVLNG 120
 DB 61 ELTYLPTNASLFLQDIQEVGYVLAHQVQVPLQRLRVGTQLFEDNYALAVLNG 120
 QY 121 PLNNTPTVPGASPGRLRLQSLTEILKGVLIQNPOLCYQDTILMKDIFKNNOLA 180
 DB 121 PLNNTPTVPGASPGRLRLQSLTEILKGVLIQNPOLCYQDTILMKDIFKNNOLA 180
 QY 181 LTLIDNRSRACHPCSPKCGSRCKGSESDQSLTRTVGAGGACRKGFLPTDCHEQC 240
 DB 181 LTLIDNRSRACHPCSPKCGSRCKGSESDQSLTRTVGAGGACRKGFLPTDCHEQC 240
 QY 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTYFGASCVTACP 300
 DB 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTYFGASCVTACP 300
 QY 301 YNYLSTVGSCTVCPLEHNOEVTAEDGTORCEKSKCAR-----GTHSLRPAAVVP 355
 DB 301 YNYLSTVGSCTVCPLEHNOEVTAEDGTORCEKSKCARVYGLMEHLREVAVTSAN 360
 QY 356 LKMPG--PAHPTLSFLRPSMDVSAFVSLPLASPTSVPI-----SPVSVGRGPD 405
 DB 356 LKMPG--PAHPTLSFLRPSMDVSAFVSLPLASPTSVPI-----SPVSVGRGPD 405
 QY 361 IQEFGCKKIFGSLALPESFDGDPASNT--APLQEQQLQVFTLEITGLYIISAMPD 417
 DB 361 IQEFGCKKIFGSLALPESFDGDPASNT--APLQEQQLQVFTLEITGLYIISAMPD 417
 QY 406 --PDAAVAVNLSRYEG 419
 DB 406 --PDAAVAVNLSRYEG 419
 QY 418 SLPLDSVFNQLQVIRG 433
 DB 418 SLPLDSVFNQLQVIRG 433

RESULT 12
 US-09-854-356-6
 Sequence 6, Application US/09854356
 Patent No. US20020177567A1
 GENERAL INFORMATION:
 APPLICANT: Cheever, Martin A.
 APPLICANT: Cheyssen, Dirk
 APPLICANT: Corixa Corporation
 APPLICANT: SmithKline Beecham Biologicals S. A.
 TITLE OF INVENTION: HER-2/neu Fusion Proteins
 FILE REFERENCE: 014058-009810PC
 CURRENT APPLICATION NUMBER: US/09/854,356
 CURRENT FILING DATE: 2001-05-09
 PRIOR APPLICATION NUMBER: US 09/493,480
 PRIOR FILING DATE: 2000-01-28
 PRIOR APPLICATION NUMBER: US 60/117,976
 NUMBER OF SEQ ID NOS: 26
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 6
 LENGTH: 919
 TYPE: PRT
 ORGANISM: Artificial Sequence
 OTHER INFORMATION: Description of Artificial Sequence: fusion protein

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us-09-234-208b-2.rapb

Page 7

OTHER INFORMATION: of ECD and PD of human HER-2/neu
US-09-854-356-6

Query Match 82.1%; Score 1878; DB 9; Length 919;
Best Local Similarity 83.0%; Pred. No. 3,8e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 METALCERWGLLALIPGAASTOVCTGDMKRLPASPEITLMDLRHYOGCOVQGNL 60
DB 1 METALCERWGLLALIPGAASTOVCTGDMKRLPASPEITLMDLRHYOGCOVQGNL 60
QY 61 EETVLPYNASLFLDIOEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNYALAVLNG 120
DB 61 EETVLPYNASLFLDIOEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNYALAVLNG 120
QY 121 DELNNTTPTVYGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODITLMKDI FHKNNOLA 180
DB 121 DELNNTTPTVYGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODITLMKDI FHKNNOLA 180
QY 181 LTLIDNRSRACHPCSPMKGRSGWSESDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240
DB 181 LTLIDNRSRACHPCSPMKGRSGWSESDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240
QY 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNEGRTYFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNEGRTYFGASCVTACP 300
QY 301 YNISTDVGSCITVCPILNQEVTABDGTQRCCKSKPCARVCCGLGMEHLREVRANTSAN 360
DB 301 YNISTDVGSCITVCPILNQEVTABDGTQRCCKSKPCARVCCGLGMEHLREVRANTSAN 360
QY 356 LRMQPG--PAHPVLSFLRPSMDLVSFAFSLPLAPLSPTSVPI-----SPVSGRQPD 405
DB 356 LRMQPG--PAHPVLSFLRPSMDLVSFAFSLPLAPLSPTSVPI-----SPVSGRQPD 405
QY 361 IOEFAGCKKIFGSLAFLESFDGDSANT---APIQEPQLQVETLEITGYLYISAMPD 417
DB 361 IOEFAGCKKIFGSLAFLESFDGDSANT---APIQEPQLQVETLEITGYLYISAMPD 417
QY 406 --PDAAVAVNLSRYEG 419
DB 418 SLPLDSVFPQNLQVIRG 433

RESULT 13

US-10-146-473-72
Sequence 72, Application US/10146473
Publication No. US2003010888A1
GENERAL INFORMATION:
APPLICANT: Scantlan, Matthew
APPLICANT: Gout, Ivan
APPLICANT: Stockert, Elisabeth
APPLICANT: Gure, Ali
APPLICANT: Chen, Yao-Tseng
APPLICANT: Old, Lloyd
TITLE OF INVENTION: Breast Cancer Antigens
FILE REFERENCE: L00461/70130 (JRV)
CURRENT APPLICATION NUMBER: US/10/146,473
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US 60/291,150
PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 82
SOFTWARE: PatentIn version 3.0
SEQ ID NO 72
LENGTH: 1253
TYPE: PRT
ORGANISM: Homo sapiens
US-10-146-473-72

Query Match 82.1%; Score 1878; DB 14; Length 1253;
Best Local Similarity 83.0%; Pred. No. 5,6e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 METALCERWGLLALIPGAASTOVCTGDMKRLPASPEITLMDLRHYOGCOVQGNL 60
DB 1 METALCERWGLLALIPGAASTOVCTGDMKRLPASPEITLMDLRHYOGCOVQGNL 60

QY 61 EETVLPYNASLFLDIOEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNYALAVLNG 120
DB 61 EETVLPYNASLFLDIOEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNYALAVLNG 120

QY 121 DELNNTTPTVYGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODITLMKDI FHKNNOLA 180
DB 121 DELNNTTPTVYGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODITLMKDI FHKNNOLA 180

QY 181 LTLIDNRSRACHPCSPMKGRSGWSESDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240
DB 181 LTLIDNRSRACHPCSPMKGRSGWSESDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240

QY 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNEGRTYFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNEGRTYFGASCVTACP 300

QY 301 YNISTDVGSCITVCPILNQEVTABDGTQRCCKSKPCARVCCGLGMEHLREVRANTSAN 360
DB 301 YNISTDVGSCITVCPILNQEVTABDGTQRCCKSKPCARVCCGLGMEHLREVRANTSAN 360

QY 356 LRMQPG--PAHPVLSFLRPSMDLVSFAFSLPLAPLSPTSVPI-----SPVSGRQPD 405
DB 356 LRMQPG--PAHPVLSFLRPSMDLVSFAFSLPLAPLSPTSVPI-----SPVSGRQPD 405

QY 361 IOEFAGCKKIFGSLAFLESFDGDSANT---APIQEPQLQVETLEITGYLYISAMPD 417
DB 361 IOEFAGCKKIFGSLAFLESFDGDSANT---APIQEPQLQVETLEITGYLYISAMPD 417

QY 406 --PDAAVAVNLSRYEG 419
DB 418 SLPLDSVFPQNLQVIRG 433

RESULT 14

US-09-811-123-9
Sequence 9, Application US/09811123
Patent No. US2002001587A1
GENERAL INFORMATION:
APPLICANT: Sharon Erickson
APPLICANT: Ralph Schwall
APPLICANT: Mark Sliwkowski
TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-B2B8
FILE REFERENCE: GENEENT.073A2
CURRENT APPLICATION NUMBER: US/09/811,123
CURRENT FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/238,327
PRIOR FILING DATE: 2000-10-05
PRIOR APPLICATION NUMBER: 09/602,530
NUMBER OF SEQ ID NOS: 11
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9
LENGTH: 1255
TYPE: PRT
ORGANISM: Homo sapiens
US-09-811-123-9

Query Match 82.1%; Score 1878; DB 9; Length 1255;
Best Local Similarity 83.0%; Pred. No. 5,6e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 METALCERWGLLALIPGAASTOVCTGDMKRLPASPEITLMDLRHYOGCOVQGNL 60
DB 1 METALCERWGLLALIPGAASTOVCTGDMKRLPASPEITLMDLRHYOGCOVQGNL 60
QY 61 EETVLPYNASLFLDIOEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNYALAVLNG 120
DB 61 EETVLPYNASLFLDIOEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNYALAVLNG 120
QY 121 DELNNTTPTVYGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODITLMKDI FHKNNOLA 180
DB 121 DELNNTTPTVYGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODITLMKDI FHKNNOLA 180
QY 181 LTLIDNRSRACHPCSPMKGRSGWSESDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240
DB 181 LTLIDNRSRACHPCSPMKGRSGWSESDCOSLTRVCAAGCARCKGPLEPTDCHEQC 240

QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTPESMNPBGRYTRGACVTCAP 300
DB 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTPESMNPBGRYTRGACVTCAP 300
QY 301 YNYLSTDVSGCTLVCPPLAHNQVTAEDGTQRCCKSKPCAR-----GTHSLLRPAAVPVP 355
DB 301 YNYLSTDVSGCTLVCPPLAHNQVTAEDGTQRCCKSKPCARVCGYGMHRLREVRAVTSAN 360
QY 356 LRMQPG--PAHPVLSFRLPSMDLVSATFSLPLAPLSPTSVPI-----SPVSVGRGPD 405
DB 361 IOEPFAGCKKIFGSLAFPLPESFDGDPASNT---APLOPQOLQVETLEBITGYLISAMPD 417
QY 406 --PDAAHVAVNLSRYEG 419
DB 418 SLPDLSTVFQNLQVIRG 433

RESULT 15
US-09-811-115-3
; Sequence 3, Application US/09811115
; Patent No. US20020035736A1
; GENERAL INFORMATION:
; APPLICANT: Eickson, Sharon
; APPLICANT: Schwall, Ralph
; APPLICANT: King, Kathleen
; TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
; FILE REFERENCE: GENENT, 034A
; CURRENT APPLICATION NUMBER: US/09/811,115
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/189,844
; PRIOR FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-811-115-3

Query Match 82.1%; Score 1878; DB 9; Length 1255;
Best Local Similarity 83.0%; Pred. No. 5 6e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MEIAALCRWGLLALIPGAASTQVCTGTMDKLRIPASPEHIDMLRHLVQCCQVVOGNTL 60
DB 1 MEIAALCRWGLLALIPGAASTQVCTGTMDKLRIPASPEHIDMLRHLVQCCQVVOGNTL 60
QY 61 ELTYLPTNASLSFLDIOEVQGVLIJAHNQVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVQGVLIJAHNQVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGASPGGLARELQRLSLTEILKGVLIQRPOLCYQDTILMKDIFHKNQOLA 180
DB 121 DPLNNTTPTVGASPGGLARELQRLSLTEILKGVLIQRPOLCYQDTILMKDIFHKNQOLA 180
QY 181 LTLIDNRBRACHPCGPKCKSGRCWSESEDCOSLTRVCAGGACRKGRLPTDCHEQC 240
DB 181 LTLIDNRBRACHPCGPKCKSGRCWSESEDCOSLTRVCAGGACRKGRLPTDCHEQC 240
QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTPESMNPBGRYTRGACVTCAP 300
DB 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTPESMNPBGRYTRGACVTCAP 300
QY 301 YNYLSTDVSGCTLVCPPLAHNQVTAEDGTQRCCKSKPCAR-----GTHSLLRPAAVPVP 355
DB 301 YNYLSTDVSGCTLVCPPLAHNQVTAEDGTQRCCKSKPCARVCGYGMHRLREVRAVTSAN 360
QY 356 LRMQPG--PAHPVLSFRLPSMDLVSATFSLPLAPLSPTSVPI-----SPVSVGRGPD 405
DB 361 IOEPFAGCKKIFGSLAFPLPESFDGDPASNT---APLOPQOLQVETLEBITGYLISAMPD 417
QY 406 --PDAAHVAVNLSRYEG 419

DB 418 SLPDLSTVFQNLQVIRG 433

Search completed: June 4, 2004, 10:51:10
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 4, 2004, 10:36:26 ; Search time 27.7651 Seconds
(Without alignments)
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Title: US-09-234-208b-2

Perfect score: 2287

Sequence: 1 METALCRWGLLALPLPGA.....VGRGPPDAHVAVNLSRYEG 419

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Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Database : Issued Patents AA.*
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6: /cgn2_6/ptodata/2/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2287	100.0	419	US-09-630-155-2	Sequence 2, Appl1
2	1878	82.1	782	US-09-146-283-4	Sequence 4, Appl1
3	1878	82.1	782	US-08-579-823A-4	Sequence 4, Appl1
4	1878	82.1	782	US-09-344-195-4	Sequence 4, Appl1
5	1878	82.1	1255	US-08-467-083-68	Sequence 68, Appl1
6	1878	82.1	1255	US-08-414-417B-68	Sequence 68, Appl1
7	1878	82.1	1255	US-08-484-438-8	Sequence 8, Appl1
8	1878	82.1	1255	US-08-486-348A-68	Sequence 68, Appl1
9	1878	82.1	1255	US-08-625-101-2	Sequence 2, Appl1
10	1878	82.1	1255	US-08-468-545B-68	Sequence 68, Appl1
11	1878	82.1	1255	US-08-356-786-2	Sequence 2, Appl1
12	1878	82.1	1255	US-08-466-680B-68	Sequence 68, Appl1
13	1878	82.1	1255	US-09-527-487-2	Sequence 2, Appl1
14	1878	82.1	1255	US-09-811-115-3	Sequence 2, Appl1
15	1878	82.1	1255	US-09-354-533-68	Sequence 68, Appl1
16	1769	77.4	624	US-08-422-108-1	Sequence 1, Appl1
17	1769	77.4	624	US-08-422-734-1	Sequence 1, Appl1
18	860	37.6	166	US-09-648-067A-1	Sequence 1, Appl1
19	793	34.7	644	US-08-316-708A-9	Sequence 9, Appl1
20	793	34.7	1210	US-08-484-438-7	Sequence 7, Appl1
21	793	34.7	1210	US-08-475-035-4	Sequence 4, Appl1
22	775	33.9	911	US-08-484-438-10	Sequence 10, Appl1
23	775	33.9	1058	US-08-484-438-4	Sequence 4, Appl1
24	775	33.9	1308	US-08-484-438-2	Sequence 2, Appl1
25	773	33.8	478	US-09-570-454-2	Sequence 2, Appl1
26	773	33.8	478	US-09-867-521-2	Sequence 2, Appl1
27	735.5	32.2	1342	US-07-978-895-4	Sequence 4, Appl1

28	735.5	32.2	1342	2	US-08-484-438-9	Sequence 9, Appl1
29	735.5	32.2	1342	2	US-08-473-119-4	Sequence 4, Appl1
30	735.5	32.2	1342	2	US-08-475-352-4	Sequence 4, Appl1
31	735.5	32.2	1342	4	US-09-170-699-4	Sequence 4, Appl1
32	734	32.1	1343	6	5183884-4	Patent No. 5183884
33	493	21.6	97	1	US-08-421-356-3	Sequence 3, Appl1
34	493	21.6	97	4	US-09-046-783-3	Sequence 3, Appl1
35	418	18.3	79	4	US-09-630-135-1	Sequence 1, Appl1
36	264.5	11.6	1382	2	US-08-737-715-2	Sequence 2, Appl1
37	264.5	11.6	1382	4	US-09-457-040B-7	Sequence 7, Appl1
38	257.5	11.3	516	3	US-08-746-559A-2	Sequence 2, Appl1
39	257.5	11.3	1367	2	US-08-249-687C-2	Sequence 2, Appl1
40	257.5	11.3	1367	2	US-08-625-819-2	Sequence 2, Appl1
41	257.5	11.3	1367	3	US-08-746-559A-2	Sequence 2, Appl1
42	257.5	11.3	1367	4	US-08-864-641B-18	Sequence 18, Appl1
43	257.5	11.3	1367	4	US-09-343-551-2	Sequence 2, Appl1
44	241.5	10.6	486	3	US-08-746-559A-5	Sequence 5, Appl1
45	210.5	9.2	383	3	US-08-857-076-105	Sequence 105, App

ALIGNMENTS

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RESULT 1
US-09-630-155-2
; Sequence 2, Application US/09630155
; Patent No. 6414130
; GENERAL INFORMATION:
; APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
; TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESSES:
; ADDRESSER: DAVIS WRIGHT TREMAINE LLP
; STREET: 1501 Fourth Avenue, 2600 Century Square
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: Windows95
; SOFTWARE: Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/630,155
; FILING DATE: 16-Jan-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Davison, Barry L.
; REGISTRATION NUMBER: 47,309
; REFERENCE/DOCKET NUMBER: 49321-10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206 628-7621
; TELEFAX: 206 628-7659
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: polypeptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-630-155-2

Query Match      100.0%; Score 2287; DB 4; Length 419;
Best Local Similarity 100.0%; Pred.No. 3.2e-192;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 METALCRWGLLALPLPGAISTOVCTGDMKRLRPASPEHLDMLRHLYOCGVQVQGL 60
DB      1 METALCRWGLLALPLPGAISTOVCTGDMKRLRPASPEHLDMLRHLYOCGVQVQGL 60
QY      61 ELTYLPNTASLFIQDIOREVGVYLIANQVROVFLQRLIRVGTQLFEDNYALAVLDNG 120
  
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Fri Jun 4 11:10:13 2004

us-09-234-208b-2.ra1

Page 2

Db 61 ELTYLPTNASLSTFQDIOEVGYVLIANQVQVPLQRLRYRGTLFEDNVAALVDNG 120
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Db 121 DPLNNTPTVPGASPGGRLRELQRLSTLTKGVLIQRPOLCYODTILMKDIFHKNQLA 180
Qy 181 LTLIDNRSRACPCSPMCKGRCWGBSSSDCQSLRTVCAAGCAGCARCKGFLPTDCCHQC 240
Db 181 LTLIDNRSRACPCSPMCKGRCWGBSSSDCQSLRTVCAAGCAGCARCKGFLPTDCCHQC 240
Qy 241 AAGCTGPKHSDCLACIHFNSGICEIHCPLVTTNTDTFESMNPBGRYTFGASCVTACP 300
Db 241 AAGCTGPKHSDCLACIHFNSGICEIHCPLVTTNTDTFESMNPBGRYTFGASCVTACP 300
Qy 301 YNYLSTDVGSCTVCPPLHNOEVTADGTQRCCKSKPCARCTHSLPRAAVPVLAMOP 360
Db 301 YNYLSTDVGSCTVCPPLHNOEVTADGTQRCCKSKPCARCTHSLPRAAVPVLAMOP 360
Qy 361 GPAHVLSPFLRPSMDLVSAFYSLPLAPLSTSPVSPVSGRGPDPDAHVANLSRYEG 419
Db 361 GPAHVLSPFLRPSMDLVSAFYSLPLAPLSTSPVSPVSGRGPDPDAHVANLSRYEG 419

RESULT 2

US-09-146-283-4
Sequence 4, Application US/09146283

GENERAL INFORMATION:
PATENT NO. 5976546
APPLICANT: Laus, Reiner
APPLICANT: Ruegg, Curtis L.
APPLICANT: Wu, Hongyu
TITLE OF INVENTION: Immunostimulatory Compositions
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave. Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/146,283
FILING DATE: 03-SEPT-1998
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Judge, Linda R.
REGISTRATION NUMBER: 42,702
REFERENCE/DOCKET NUMBER: 7636-0010.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0880
TELEFAX: 650-324-0960
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 782 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: homo sapiens
INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
US-09-146-283-4

Query Match 82.1%; Score 1878; DB 2; Length 782;
Best Local Similarity 83.0%; Pred. No. 4,9e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

Qy 1 MEIALCRWKLIALALPGAASTQVCTGDMKRLASPBETHLMDLRHLVQGGVQVGNL 60
Db 1 MEIALCRWKLIALALPGAASTQVCTGDMKRLASPBETHLMDLRHLVQGGVQVGNL 60
Qy 61 ELTYLPTNASLSTFQDIOEVGYVLIANQVQVPLQRLRYRGTLFEDNVAALVDNG 120
Db 61 ELTYLPTNASLSTFQDIOEVGYVLIANQVQVPLQRLRYRGTLFEDNVAALVDNG 120
Qy 121 DPLNNTPTVPGASPGGRLRELQRLSTLTKGVLIQRPOLCYODTILMKDIFHKNQLA 180
Db 121 DPLNNTPTVPGASPGGRLRELQRLSTLTKGVLIQRPOLCYODTILMKDIFHKNQLA 180
Qy 181 LTLIDNRSRACPCSPMCKGRCWGBSSSDCQSLRTVCAAGCAGCARCKGFLPTDCCHQC 240
Db 181 LTLIDNRSRACPCSPMCKGRCWGBSSSDCQSLRTVCAAGCAGCARCKGFLPTDCCHQC 240
Qy 241 AAGCTGPKHSDCLACIHFNSGICEIHCPLVTTNTDTFESMNPBGRYTFGASCVTACP 300
Db 241 AAGCTGPKHSDCLACIHFNSGICEIHCPLVTTNTDTFESMNPBGRYTFGASCVTACP 300
Qy 301 YNYLSTDVGSCTVCPPLHNOEVTADGTQRCCKSKPCARCTHSLPRAAVPVLAMOP 360
Db 301 YNYLSTDVGSCTVCPPLHNOEVTADGTQRCCKSKPCARCTHSLPRAAVPVLAMOP 360
Qy 361 GPAHVLSPFLRPSMDLVSAFYSLPLAPLSTSPVSPVSGRGPDPDAHVANLSRYEG 419
Db 361 GPAHVLSPFLRPSMDLVSAFYSLPLAPLSTSPVSPVSGRGPDPDAHVANLSRYEG 419

RESULT 3

US-08-579-823A-4
Sequence 4, Application US/08579823A

GENERAL INFORMATION:
PATENT NO. 6080409
APPLICANT: Laus, Reiner
APPLICANT: Ruegg, Curtis L.
APPLICANT: Wu, Hongyu
TITLE OF INVENTION: Immunostimulatory Composition and Method
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave. Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/579,823A
FILING DATE: 03-DEC-1998
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Judge, Linda R.
REGISTRATION NUMBER: 42,702
REFERENCE/DOCKET NUMBER: 7636-0010
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0880
TELEFAX: 650-324-0960
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 782 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO

Query Match 82.1%; Score 1878; DB 2; Length 782;
Best Local Similarity 83.0%; Pred. No. 4,9e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

ORIGINAL SOURCE:
ORGANISM: homo sapiens
INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
US-08-579-823A-4

Query Match 82.1%; Score 1878; DB 3; Length 782;
Best Local Similarity 83.0%; Pred. No. 4.9e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLDMLRHLYQGCVVQGNL 60
DB 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLDMLRHLYQGCVVQGNL 60
QY 61 ELTYLPFNASLSPLODIQEVQGVYLAHNOVROVPLORLIYVGTQLFEDNYALAVLDNG 120
DB 61 ELTYLPFNASLSPLODIQEVQGVYLAHNOVROVPLORLIYVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTPTVPGASFGGLREQLRSLEILKGVYLIQHPOLCYQDTILMKDIFHKNNOLA 180
DB 121 DPLNNTPTVPGASFGGLREQLRSLEILKGVYLIQHPOLCYQDTILMKDIFHKNNOLA 180
QY 181 LTLIDNRSRACHPCSPMCKGSRCKGSESSDCSLRTVCAGGCARCKGPLPTDCHEOC 240
DB 181 LTLIDNRSRACHPCSPMCKGSRCKGSESSDCSLRTVCAGGCARCKGPLPTDCHEOC 240
QY 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDTPESMPNPEGRTYFGASCYTACP 300
DB 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDTPESMPNPEGRTYFGASCYTACP 300
QY 301 YNYLSTVGSCTVCPHNOEVTAEEDGTQRCCKSKPCARVCGIGMEHLREYRAVTSAN 360
DB 301 YNYLSTVGSCTVCPHNOEVTAEEDGTQRCCKSKPCARVCGIGMEHLREYRAVTSAN 360
QY 361 LRMQPG--PAHPVLSFLRPSMDIVSAFYSLPLAPLSTSVPI-----SPVSGRGP 405
DB 361 LRMQPG--PAHPVLSFLRPSMDIVSAFYSLPLAPLSTSVPI-----SPVSGRGP 405
QY 406 --PDAAVAVNLSRYEG 419
DB 418 SLFDLSVFOQLQVLRG 433

RESULT 4
US-09-344-195-4
Sequence 4, Application US/09344195
Patent No. 6210662
GENERAL INFORMATION:
APPLICANT: laus, Reiner
Ruegg, Curtis L.
MU, Hongyu
TITLE OF INVENTION: Immunostimulatory Compositions
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave. Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/344,195
FILING DATE: 24-Jun-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/146,283
FILING DATE: 03-SEPT-1998
ATTORNEY/AGENT INFORMATION:
NAME: Judge, Linda R.

REGISTRATION NUMBER: 42,702
REFERENCE/DOCKET NUMBER: 7636-0010.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0880
TELEFAX: 650-324-0960
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 782 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEICAL: NO
ORIGINAL SOURCE:
ORGANISM: homo sapiens
INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-344-195-4

Query Match 82.1%; Score 1878; DB 3; Length 782;
Best Local Similarity 83.0%; Pred. No. 4.9e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLDMLRHLYQGCVVQGNL 60
DB 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLDMLRHLYQGCVVQGNL 60
QY 61 ELTYLPFNASLSPLODIQEVQGVYLAHNOVROVPLORLIYVGTQLFEDNYALAVLDNG 120
DB 61 ELTYLPFNASLSPLODIQEVQGVYLAHNOVROVPLORLIYVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTPTVPGASFGGLREQLRSLEILKGVYLIQHPOLCYQDTILMKDIFHKNNOLA 180
DB 121 DPLNNTPTVPGASFGGLREQLRSLEILKGVYLIQHPOLCYQDTILMKDIFHKNNOLA 180
QY 181 LTLIDNRSRACHPCSPMCKGSRCKGSESSDCSLRTVCAGGCARCKGPLPTDCHEOC 240
DB 181 LTLIDNRSRACHPCSPMCKGSRCKGSESSDCSLRTVCAGGCARCKGPLPTDCHEOC 240
QY 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDTPESMPNPEGRTYFGASCYTACP 300
DB 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDTPESMPNPEGRTYFGASCYTACP 300
QY 301 YNYLSTVGSCTVCPHNOEVTAEEDGTQRCCKSKPCARVCGIGMEHLREYRAVTSAN 360
DB 301 YNYLSTVGSCTVCPHNOEVTAEEDGTQRCCKSKPCARVCGIGMEHLREYRAVTSAN 360
QY 361 LRMQPG--PAHPVLSFLRPSMDIVSAFYSLPLAPLSTSVPI-----SPVSGRGP 405
DB 361 LRMQPG--PAHPVLSFLRPSMDIVSAFYSLPLAPLSTSVPI-----SPVSGRGP 405
QY 406 --PDAAVAVNLSRYEG 419
DB 418 SLFDLSVFOQLQVLRG 433

RESULT 5
US-08-467-083-68
Sequence 68, Application US/08467083
Patent No. 5726023
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
Diels, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
TITLE OF INVENTION: HER-2/NEU ONCOGENE IS ASSOCIATED
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,083
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/414,417
 FILING DATE: 06-JUN-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Sharkey, Richard G.
 REGISTRATION NUMBER: 32,629
 REFERENCE/DOCKET NUMBER: 920010.448C2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 TELEX: 3723836 SEDANBERRY
 INFORMATION FOR SEQ ID NO: 68:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1255 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-467-083-68

Query Match 82.1%; Score 1878; DB 1; Length 1255;
 Best Local Similarity 83.0%; Pred. No. 9.1e-156;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALPPGAASVCTGTDMKRLPASPEHLDMLHLYOGCCVVOGNL 60
 DB 1 MELAALCRWGLLALPPGAASVCTGTDMKRLPASPEHLDMLHLYOGCCVVOGNL 60
 QY 61 ELYVLPYNASLSFLQDIQVQGYVLIANOVROVPLQRLIVRGTOLEFEDNYALAVDNG 120
 DB 61 ELYVLPYNASLSFLQDIQVQGYVLIANOVROVPLQRLIVRGTOLEFEDNYALAVDNG 120
 QY 121 DPLNNTTPVTGASPGGLRELIQRLSLTEILKGVLIQNPOLCYODTILMKDIFHKNNOLA 180
 DB 121 DPLNNTTPVTGASPGGLRELIQRLSLTEILKGVLIQNPOLCYODTILMKDIFHKNNOLA 180
 QY 181 LTLIDTNRSRACHPCSPCKGSRGWGSSSDCCSLTRTYCAGGARGKGLPTDCCHEQC 240
 DB 181 LTLIDTNRSRACHPCSPCKGSRGWGSSSDCCSLTRTYCAGGARGKGLPTDCCHEQC 240
 QY 241 AAGCTGPRHSDCLACLFHNSGICELHCPALVTYNTDTFESMPNBERGYTFGASCVTACP 300
 DB 241 AAGCTGPRHSDCLACLFHNSGICELHCPALVTYNTDTFESMPNBERGYTFGASCVTACP 300
 QY 301 YNYLSTVGSCTLVCPPLHNOEVTADGTQRCCKSKPCAR-----GTHSLPRPAAYVP 355
 DB 301 YNYLSTVGSCTLVCPPLHNOEVTADGTQRCCKSKPCARVGYGMEHLREVRAVTSAN 360
 QY 361 LRMQPG--PAHPVLSFLRPSMDLVSAFYSLPLAFLSFTSVPI-----SPVSVGRQPD 405
 DB 361 LRMQPG--PAHPVLSFLRPSMDLVSAFYSLPLAFLSFTSVPI-----SPVSVGRQPD 405
 QY 406 --PDAAVAVNLTRYEG 419
 DB 406 --PDAAVAVNLTRYEG 419
 QY 418 SLPLDSVFONLQVIRG 433
 DB 418 SLPLDSVFONLQVIRG 433

RESULT 6
 US-08-414-417B-68
 ; Sequence 68, Application US/08414417B
 ; Patent No. 5801005
 ; GENERAL INFORMATION:
 ; APPLICANT: Cheever, Martin A.
 ; APPLICANT: Disis, Mary L.
 ; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
 ; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
 NUMBER OF SEQUENCES: 69
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Seed and Berry LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: US
 ZIP: 98104-7092
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/414,417B
 FILING DATE: 31-MAR-1995
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Sharkey, Richard G.
 REGISTRATION NUMBER: 32,629
 REFERENCE/DOCKET NUMBER: 920010.448C2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 68:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1255 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-414-417B-68

Query Match 82.1%; Score 1878; DB 1; Length 1255;
 Best Local Similarity 83.0%; Pred. No. 9.1e-156;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALPPGAASVCTGTDMKRLPASPEHLDMLHLYOGCCVVOGNL 60
 DB 1 MELAALCRWGLLALPPGAASVCTGTDMKRLPASPEHLDMLHLYOGCCVVOGNL 60
 QY 61 ELYVLPYNASLSFLQDIQVQGYVLIANOVROVPLQRLIVRGTOLEFEDNYALAVDNG 120
 DB 61 ELYVLPYNASLSFLQDIQVQGYVLIANOVROVPLQRLIVRGTOLEFEDNYALAVDNG 120
 QY 121 DPLNNTTPVTGASPGGLRELIQRLSLTEILKGVLIQNPOLCYODTILMKDIFHKNNOLA 180
 DB 121 DPLNNTTPVTGASPGGLRELIQRLSLTEILKGVLIQNPOLCYODTILMKDIFHKNNOLA 180
 QY 181 LTLIDTNRSRACHPCSPCKGSRGWGSSSDCCSLTRTYCAGGARGKGLPTDCCHEQC 240
 DB 181 LTLIDTNRSRACHPCSPCKGSRGWGSSSDCCSLTRTYCAGGARGKGLPTDCCHEQC 240
 QY 241 AAGCTGPRHSDCLACLFHNSGICELHCPALVTYNTDTFESMPNBERGYTFGASCVTACP 300
 DB 241 AAGCTGPRHSDCLACLFHNSGICELHCPALVTYNTDTFESMPNBERGYTFGASCVTACP 300
 QY 301 YNYLSTVGSCTLVCPPLHNOEVTADGTQRCCKSKPCAR-----GTHSLPRPAAYVP 355
 DB 301 YNYLSTVGSCTLVCPPLHNOEVTADGTQRCCKSKPCARVGYGMEHLREVRAVTSAN 360
 QY 361 LRMQPG--PAHPVLSFLRPSMDLVSAFYSLPLAFLSFTSVPI-----SPVSVGRQPD 405
 DB 361 LRMQPG--PAHPVLSFLRPSMDLVSAFYSLPLAFLSFTSVPI-----SPVSVGRQPD 405
 QY 406 --PDAAVAVNLTRYEG 419
 DB 406 --PDAAVAVNLTRYEG 419
 QY 418 SLPLDSVFONLQVIRG 433
 DB 418 SLPLDSVFONLQVIRG 433

RESULT 7
 US-08-484-438-8
 ; Sequence 8, Application US/08484438
 ; Patent No. 5811098


```

Patent No. 5811098 5780031
GENERAL INFORMATION:
APPLICANT: Plowman, Gregory D.
APPLICANT: Culouscou, Jean-Michel
APPLICANT: Shoyab, Mohammed
APPLICANT: Siegall, Clay B.
APPLICANT: Heilstr m, Ingegerd
APPLICANT: Heilstr m, Karl B.
TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESS: Pennine & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,438
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/323,442
FILING DATE: 14-OCT-1994
APPLICATION NUMBER: US 08/150,704
FILING DATE: 10-NOV-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/981,165
FILING DATE: 24-NOV-1992
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Mierock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-230
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULAR TYPE: protein
US-08-484-438-8

Query Match      82.1%; Score 1878; DB 2; Length 1255;
Best Local Similarity 83.0%; Pred. No. 9,le-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

```

```

QY 1 MELAALCRMGILLALLPPGASASTOVCCTGDMKRLPASPETHLDMRLHYGSCQVQGNL 60
DB 1 MELAALCRMGILLALLPPGASASTOVCCTGDMKRLPASPETHLDMRLHYGSCQVQGNL 60
QY 61 ELTYLPTNASLSPLODIOEVQGYVLIANOVQVPLQRLRIYRGTOLEFEDNALAVLDNG 120
DB 61 ELTYLPTNASLSPLODIOEVQGYVLIANOVQVPLQRLRIYRGTOLEFEDNALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNNPOLCYODTILMKDIFHRKNOLA 180
DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNNPOLCYODTILMKDIFHRKNOLA 180
QY 181 LTLIDITRSRACHPCSPMGKSGRSCMGSSSEDCOSLTRVCAGGCARCKGSPPTDCGHEQC 240
DB 181 LTLIDITRSRACHPCSPMGKSGRSCMGSSSEDCOSLTRVCAGGCARCKGSPPTDCGHEQC 240

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QY 241 AACCTGPKSDCIACIAHPNHSICELHCPALVYNTDTESMNPBGRYTFGASCTYACP 300
DB 241 AACCTGPKSDCIACIAHPNHSICELHCPALVYNTDTESMNPBGRYTFGASCTYACP 300
QY 301 YNTLSTDVGSCTLVCELANQSTABDGTQRCERKSPCAR-----GTHSLPPRAVPVP 355
DB 301 YNTLSTDVGSCTLVCELANQSTABDGTQRCERKSPCARVVCYGLMEHLREVAATSAN 360
QY 356 LRKQPG--PAHPLSLFRSPWDIVSAFSGIPLALSPSTVPI-----SPVSGRQPD 405
DB 361 IQRFACCKI RGLALPESFDDBASMT---APLPBQLQVETLBITGYIYICAMPD 417
QY 406 --PDAAVAVNLSTRYEG 419
DB 418 SLPLSVFQNLQYTRG 433

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RESULT 8
US-08-486-348A-68
Sequence 68, Application US/08486348A
Patent No. 5846538
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
APPLICANT: Disis, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSES: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,348A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-486-348A-68

Query Match      82.1%; Score 1878; DB 2; Length 1255;
Best Local Similarity 83.0%; Pred. No. 9,le-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

```

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QY 1 MELAALCRMGILLALLPPGASASTOVCCTGDMKRLPASPETHLDMRLHYGSCQVQGNL 60
DB 1 MELAALCRMGILLALLPPGASASTOVCCTGDMKRLPASPETHLDMRLHYGSCQVQGNL 60
QY 61 ELTYLPTNASLSPLODIOEVQGYVLIANOVQVPLQRLRIYRGTOLEFEDNALAVLDNG 120
DB 61 ELTYLPTNASLSPLODIOEVQGYVLIANOVQVPLQRLRIYRGTOLEFEDNALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNNPOLCYODTILMKDIFHRKNOLA 180
DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNNPOLCYODTILMKDIFHRKNOLA 180

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QY 181 LTLIDTNSRACHPCSPCKSGRCWGSSEDCOSLTRVCAGGACRCKGPIPTDCCHQC 240
 DB 181 LTLIDTNSRACHPCSPCKSGRCWGSSEDCOSLTRVCAGGACRCKGPIPTDCCHQC 240
 QY 241 AAGCGPKHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300
 DB 241 AAGCGPKHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300
 QY 301 YNYLSTDVSGCTLVCPPLHNOEVTABDGTORCEKSCPCAR-----GTHSLPRPAAYVP 355
 DB 301 YNYLSTDVSGCTLVCPPLHNOEVTABDGTORCEKSCPCARCYGLGMEHLREVAAYTSAN 360
 QY 356 LEMQGG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPFSVPF-----SPVSVGRGD 405
 DB 361 IQEPAGCKKIFGSLAFIPESFDDPASNT---APLOPQLOVFETLBEITGYLYISAMPD 417
 QY 406 --PDAAVAVNLSRYEG 419
 DB 418 SLPLDSVFQNLQVIRG 433

RESULT 9

US-08-625-101-2
 ; Sequence 2, Application US/08625101
 ; Patent No. 5869445
 ; GENERAL INFORMATION:

APPLICANT: Cheever, Martin A.
 APPLICANT: Disis, Mary L.
 TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE
 TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION
 TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSES: Seed and Berry LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: USA
 ZIP: 98104-7092
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/625,101
 FILING DATE: 01-APR-1996
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Sharkey, Richard G.
 REGISTRATION NUMBER: 32,629
 REFERENCE/DOCKET NUMBER: 920010.448C7
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1255 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-625-101-2

Query Match 82.1%; Score 1878; DB 2; Length 1255;
 Best Local Similarity 83.0%; Pred. No. 9.1e-156;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MEIAALCRMGILLALIPGASATOVCTGTDMKRLPASPEHLMRLHLYQGCGVQGNL 60
 DB 1 MEIAALCRMGILLALIPGASATOVCTGTDMKRLPASPEHLMRLHLYQGCGVQGNL 60

QY 61 ELTYLPTNASLSPLODIOEVQGYVLIANOVROVPLQRLIVRSTQLEFDNYALAVLDNG 120
 DB 61 ELTYLPTNASLSPLODIOEVQGYVLIANOVROVPLQRLIVRSTQLEFDNYALAVLDNG 120
 QY 121 DPLNNTPTVTGASPGRLREIQLASLTILKGVLIQENPOLCYODTILMKDIFHKNNOLA 180
 DB 121 DPLNNTPTVTGASPGRLREIQLASLTILKGVLIQENPOLCYODTILMKDIFHKNNOLA 180
 QY 181 LTLIDTNSRACHPCSPCKSGRCWGSSEDCOSLTRVCAGGACRCKGPIPTDCCHQC 240
 DB 181 LTLIDTNSRACHPCSPCKSGRCWGSSEDCOSLTRVCAGGACRCKGPIPTDCCHQC 240
 QY 241 AAGCGPKHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300
 DB 241 AAGCGPKHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300
 QY 301 YNYLSTDVSGCTLVCPPLHNOEVTABDGTORCEKSCPCAR-----GTHSLPRPAAYVP 355
 DB 301 YNYLSTDVSGCTLVCPPLHNOEVTABDGTORCEKSCPCARCYGLGMEHLREVAAYTSAN 360
 QY 356 LEMQGG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPFSVPF-----SPVSVGRGD 405
 DB 361 IQEPAGCKKIFGSLAFIPESFDDPASNT---APLOPQLOVFETLBEITGYLYISAMPD 417
 QY 406 --PDAAVAVNLSRYEG 419
 DB 418 SLPLDSVFQNLQVIRG 433

RESULT 10

US-08-468-545B-68
 ; Sequence 68, Application US/08468545B
 ; Patent No. 5876712
 ; GENERAL INFORMATION:

APPLICANT: Cheever, Martin A.
 APPLICANT: Disis, Mary L.
 TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
 TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
 NUMBER OF SEQUENCES: 68
 CORRESPONDENCE ADDRESS:
 ADDRESSES: Seed and Berry LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: USA
 ZIP: 98104-7092
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/468,545B
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Sharkey, Richard G.
 REGISTRATION NUMBER: 32,629
 REFERENCE/DOCKET NUMBER: 920010.448C5
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 68:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1255 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-468-545B-68

Query Match 82.1%; Score 1878; DB 2; Length 1255;
 Best Local Similarity 83.0%; Pred. No. 9.1e-156;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

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QY      1 MELAALCRWGLLALLPFGAASVQVCTGDMKRLPASPTTHLDMRLHYGGCVVQGNL 60
DB      1 MELAALCRWGLLALLPFGAASVQVCTGDMKRLPASPTTHLDMRLHYGGCVVQGNL 60
QY      61 ELTYLPTNASLFLQDIQEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNVALAVLDNG 120
DB      61 ELTYLPTNASLFLQDIQEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNVALAVLDNG 120
QY      121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNNPOLCYQDTILMKDIFHKNNOA 180
DB      121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNNPOLCYQDTILMKDIFHKNNOA 180
QY      181 LTLIDNRSRACHPCSPMGKGRGWSSESDCQSLRTVCAAGCARKGKPLPTDCCHEQC 240
DB      181 LTLIDNRSRACHPCSPMGKGRGWSSESDCQSLRTVCAAGCARKGKPLPTDCCHEQC 240
QY      241 AAGCTGRHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNPEGRTFGASCTYACP 300
DB      241 AAGCTGRHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNPEGRTFGASCTYACP 300
QY      301 YNYLSTVGSCTVCPFHNOEVTAEDETQRCCKSKPCARVCYGLGMEHLREYRAVTSAN 360
DB      301 YNYLSTVGSCTVCPFHNOEVTAEDETQRCCKSKPCARVCYGLGMEHLREYRAVTSAN 360
QY      356 LRMPQG--PAHPVLSFRPSMDLVSATFSLPLAPLSTSVPI-----SPVSVGRGPD 405
DB      356 LRMPQG--PAHPVLSFRPSMDLVSATFSLPLAPLSTSVPI-----SPVSVGRGPD 405
QY      361 IQEFACCKKIFGSLAFPESEFDQPSANT---APLQPEQLQVPELTLEITGYIYSAMPD 417
DB      361 IQEFACCKKIFGSLAFPESEFDQPSANT---APLQPEQLQVPELTLEITGYIYSAMPD 417
QY      406 --PDAAVAVNLSRYEG 419
DB      406 --PDAAVAVNLSRYEG 419
QY      418 SLPLDSVFNQLQVIRG 433
DB      418 SLPLDSVFNQLQVIRG 433

RESULT 11
US-08-356-786-2
; Sequence 2, Application US/08356786
; Patent No. 5877305
; GENERAL INFORMATION:
; APPLICANT: Huston, James S.
; APPLICANT: Oppermann, Hermann
; APPLICANT: Houston, L. L.
; APPLICANT: Ritz, David B.
; TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer
; TITLE OF INVENTION: Marker
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Edmund R. Pitcher, Testa, Hurwitz, & Thibault
; STREET: Exchange Place, 53 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/356,786
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/831,967
FILING DATE: 06-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: CRP-053
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 2:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-356-786-2

Query Match      82.1%  Score 1878; DB 2; Length 1255;
Best Local Similarity 83.0%  Pred No. 9 1e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY      1 MELAALCRWGLLALLPFGAASVQVCTGDMKRLPASPTTHLDMRLHYGGCVVQGNL 60
DB      1 MELAALCRWGLLALLPFGAASVQVCTGDMKRLPASPTTHLDMRLHYGGCVVQGNL 60
QY      61 ELTYLPTNASLFLQDIQEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNVALAVLDNG 120
DB      61 ELTYLPTNASLFLQDIQEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNVALAVLDNG 120
QY      121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNNPOLCYQDTILMKDIFHKNNOA 180
DB      121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQNNPOLCYQDTILMKDIFHKNNOA 180
QY      181 LTLIDNRSRACHPCSPMGKGRGWSSESDCQSLRTVCAAGCARKGKPLPTDCCHEQC 240
DB      181 LTLIDNRSRACHPCSPMGKGRGWSSESDCQSLRTVCAAGCARKGKPLPTDCCHEQC 240
QY      241 AAGCTGRHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNPEGRTFGASCTYACP 300
DB      241 AAGCTGRHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNPEGRTFGASCTYACP 300
QY      301 YNYLSTVGSCTVCPFHNOEVTAEDETQRCCKSKPCARVCYGLGMEHLREYRAVTSAN 360
DB      301 YNYLSTVGSCTVCPFHNOEVTAEDETQRCCKSKPCARVCYGLGMEHLREYRAVTSAN 360
QY      356 LRMPQG--PAHPVLSFRPSMDLVSATFSLPLAPLSTSVPI-----SPVSVGRGPD 405
DB      356 LRMPQG--PAHPVLSFRPSMDLVSATFSLPLAPLSTSVPI-----SPVSVGRGPD 405
QY      361 IQEFACCKKIFGSLAFPESEFDQPSANT---APLQPEQLQVPELTLEITGYIYSAMPD 417
DB      361 IQEFACCKKIFGSLAFPESEFDQPSANT---APLQPEQLQVPELTLEITGYIYSAMPD 417
QY      406 --PDAAVAVNLSRYEG 419
DB      406 --PDAAVAVNLSRYEG 419
QY      418 SLPLDSVFNQLQVIRG 433
DB      418 SLPLDSVFNQLQVIRG 433

RESULT 12
US-08-466-680B-68
; Sequence 68, Application US/0846680B
; Patent No. 6075122
; GENERAL INFORMATION:
; APPLICANT: Disig, Mary E.
; APPLICANT: Cheever, Martin A.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fitch Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,680B
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.

```

REGISTRATION NUMBER: 32,629
 REFERENCE/DOCKET NUMBER: 920010.448C4
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 68:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1255 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-466-680B-68

Query Match 82.1%; Score 1878; DB 3; Length 1255;
 Best Local Similarity 83.0%; Pred. No. 9, 1e-156;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLMDLRLHYGCGVVGNTL 60
 DB 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLMDLRLHYGCGVVGNTL 60
 QY 61 ELTYLPTNASTSLFLQDIOEVGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLNG 120
 DB 61 ELTYLPTNASTSLFLQDIOEVGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLNG 120
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 QY 181 LTLIDITNRSRACHPCSPMKGSRCMGSSSEDCOSLITRVCAAGCARCKGPLPTDCHQC 240
 DB 181 LTLIDITNRSRACHPCSPMKGSRCMGSSSEDCOSLITRVCAAGCARCKGPLPTDCHQC 240
 QY 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNBERYTTGASCCTACP 300
 DB 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNBERYTTGASCCTACP 300
 QY 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVP 355
 DB 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVP 355
 QY 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVP 355
 DB 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVP 355
 QY 356 LRMQPG--PAHPVLSFLRPSMDLVSATFSLPAPLSPTSVPI-----SPVSVGRGPD 405
 DB 356 LRMQPG--PAHPVLSFLRPSMDLVSATFSLPAPLSPTSVPI-----SPVSVGRGPD 405
 QY 361 IOEFAGCKKIRGSLAFPSFDGDPASNT--AFLOPEQLQVFETLEITGYLIASMPD 417
 DB 361 IOEFAGCKKIRGSLAFPSFDGDPASNT--AFLOPEQLQVFETLEITGYLIASMPD 417
 QY 406 --PDAAVAVNLSRYEG 419
 DB 406 --PDAAVAVNLSRYEG 419
 QY 418 SLPDLSVFQNLQVIRG 433
 DB 418 SLPDLSVFQNLQVIRG 433

RESULT 13
 US-09-527-487-2
 Sequence 2, Application US/09527487
 Patent No. 6528060
 GENERAL INFORMATION:
 APPLICANT: Nicolette, Charles
 TITLE OF INVENTION: HER2 ANTIGENIC PEPTIDES
 FILE REFERENCE: 12681309200
 CURRENT APPLICATION NUMBER: US/09/527,487
 CURRENT FILING DATE: 2000-03-16
 NUMBER OF SEQ ID NOS: 9
 SOFTWARE: Patent Ver. 2.1
 SEQ ID NO 2
 LENGTH: 1255
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-527-487-2

Query Match 82.1%; Score 1878; DB 4; Length 1255;
 Best Local Similarity 83.0%; Pred. No. 9, 1e-156;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLMDLRLHYGCGVVGNTL 60

DB 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLMDLRLHYGCGVVGNTL 60
 QY 61 ELTYLPTNASTSLFLQDIOEVGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLNG 120
 DB 61 ELTYLPTNASTSLFLQDIOEVGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLNG 120
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 QY 181 LTLIDITNRSRACHPCSPMKGSRCMGSSSEDCOSLITRVCAAGCARCKGPLPTDCHQC 240
 DB 181 LTLIDITNRSRACHPCSPMKGSRCMGSSSEDCOSLITRVCAAGCARCKGPLPTDCHQC 240
 QY 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNBERYTTGASCCTACP 300
 DB 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNBERYTTGASCCTACP 300
 QY 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVP 355
 DB 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVP 355
 QY 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVP 355
 DB 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTORCKSKPCAR-----GTHSLPRPAVP 355
 QY 356 LRMQPG--PAHPVLSFLRPSMDLVSATFSLPAPLSPTSVPI-----SPVSVGRGPD 405
 DB 356 LRMQPG--PAHPVLSFLRPSMDLVSATFSLPAPLSPTSVPI-----SPVSVGRGPD 405
 QY 361 IOEFAGCKKIRGSLAFPSFDGDPASNT--AFLOPEQLQVFETLEITGYLIASMPD 417
 DB 361 IOEFAGCKKIRGSLAFPSFDGDPASNT--AFLOPEQLQVFETLEITGYLIASMPD 417
 QY 406 --PDAAVAVNLSRYEG 419
 DB 406 --PDAAVAVNLSRYEG 419
 QY 418 SLPDLSVFQNLQVIRG 433
 DB 418 SLPDLSVFQNLQVIRG 433

RESULT 14
 US-09-811-115-3
 Sequence 3, Application US/09811115
 Patent No. 6632979
 GENERAL INFORMATION:
 APPLICANT: Erickson, Sharon
 APPLICANT: Schwall, Ralph
 APPLICANT: King, Kathleen
 TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
 FILE REFERENCE: GENE 034A
 CURRENT APPLICATION NUMBER: US/09/811,115
 CURRENT FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/189,844
 PRIOR FILING DATE: 2000-03-16
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 3
 LENGTH: 1255
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-811-115-3

Query Match 82.1%; Score 1878; DB 4; Length 1255;
 Best Local Similarity 83.0%; Pred. No. 9, 1e-156;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLMDLRLHYGCGVVGNTL 60
 DB 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLMDLRLHYGCGVVGNTL 60
 QY 61 ELTYLPTNASTSLFLQDIOEVGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLNG 120
 DB 61 ELTYLPTNASTSLFLQDIOEVGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLNG 120
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 QY 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 DB 121 DPLNNTPTVGTASPGRLREQLRSLEILKGGVLIQNNPOLCYODTILMKDIFHKNOLA 180
 QY 181 LTLIDITNRSRACHPCSPMKGSRCMGSSSEDCOSLITRVCAAGCARCKGPLPTDCHQC 240
 DB 181 LTLIDITNRSRACHPCSPMKGSRCMGSSSEDCOSLITRVCAAGCARCKGPLPTDCHQC 240

Fri Jun 4 11:10:13 2004

us-09-234-208b-2.ra1

Page 9

QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVYTYNTDFESMPNPEGRTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVYTYNTDFESMPNPEGRTFGASCVTACP 300
QY 301 VYVLTSDVGSCTLVCPFLHNOEVTAEADGTORCEKSKPCAR-----GTHSLRPAVAVP 355
DB 301 VYVLTSDVGSCTLVCPFLHNOEVTAEADGTORCEKSKPCARVCGYGLAMEHLREVAVTSAN 360
QY 356 LEMORG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405
DB 361 IQEPAGCKKIFGSLAFPSFDPDASNT---APLQPEOLOVFTLEITGYLYISAMD 417
QY 406 --PDAHVAVNLRYEG 419
DB 418 SLPDLSVFQNLQVIRG 433

RESULT 15

US-09-354-533-68
Sequence 68, Application US/09354533
Patent No. 666370

GENERAL INFORMATION:

APPLICANT: Cheever, Martin A.

Disis, Mary L.

TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN

FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

HER-2/neu ONCOGENE IS ASSOCIATED

NUMBER OF SEQUENCES: 69

CORRESPONDENCE ADDRESS:

ADDRESSEE: Seed and Berry LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: US

ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/354,533

FILING DATE: 15-Jul-1999

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Sharkey, Richard G.

REGISTRATION NUMBER: 32,629

REFERENCE/DOCKET NUMBER: 920010.448C9

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 68:

SEQUENCE CHARACTERISTICS:

LENGTH: 1255 amino acids

TYPE: amino acid

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 68:

US-09-354-533-68

Query Match 82.1%; Score 1878; DB 4; Length 1255;

Best Local Similarity 83.0%; Pred. No. 9, 1e-156;

Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLIALLPFGAASSTOVCTGTDKRLPLPASPTHLDMLEHLYOGCCVAVQNL 60
DB 1 MELAALCRWGLIALLPFGAASSTOVCTGTDKRLPLPASPTHLDMLEHLYOGCCVAVQNL 60
QY 61 ELTYLPNNAISLFLQDIQEVQGVYLLAHNGVROVPLQRLIRVGTOLFEDNYALAVLDNG 120
DB 61 ELTYLPNNAISLFLQDIQEVQGVYLLAHNGVROVPLQRLIRVGTOLFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGASPGGLRELQRLSLTEILKGVLIQNPOLCYQDTILMKDIFHKNNOLA 180

DB 121 DPLNNTTPTVGASPGGLRELQRLSLTEILKGVLIQNPOLCYQDTILMKDIFHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPMCKSRGWSSEDCQSILRTVCAGGCARCGGPIPTDCCHQC 240
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QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVYTYNTDFESMPNPEGRTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVYTYNTDFESMPNPEGRTFGASCVTACP 300
QY 301 VYVLTSDVGSCTLVCPFLHNOEVTAEADGTORCEKSKPCAR-----GTHSLRPAVAVP 355
DB 301 VYVLTSDVGSCTLVCPFLHNOEVTAEADGTORCEKSKPCARVCGYGLAMEHLREVAVTSAN 360
QY 356 LEMORG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405
DB 361 IQEPAGCKKIFGSLAFPSFDPDASNT---APLQPEOLOVFTLEITGYLYISAMD 417
QY 406 --PDAHVAVNLRYEG 419
DB 418 SLPDLSVFQNLQVIRG 433

Search completed: June 4, 2004, 10:42:54
Job time: 29.7651 secs

Fri Jun 4 11:10:10 2004

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Page 1

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CM protein - protein search, using sw model

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(without alignments)

542.092 Million cell updates/sec

Title: US-09-234-208B-1

Sequence: 1 GTHSLPRPAVPLRMQF.....VGRGPDPAHVAVNLRYEG 79

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Gapop 60.0 , Gapext 60.0

Searched: 1155919 seqs, 28133677 residues

Word size : 0

Total number of hits satisfying chosen parameters: 427373

Minimum DB seq length: 0
Maximum DB seq length: 80

Post-processing: Listing first 45 summaries

Database : Published Applications AA.*

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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
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10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
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15: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	17	21.5	79	12 US-10-344-470-1	Sequence 1, Appl
2	17	21.5	79	16 US-10-302-663-1	Sequence 1, Appl
3	7	8.9	44	12 US-10-424-599-262451	Sequence 252451,
4	7	8.9	49	12 US-10-424-599-266679	Sequence 266679,
5	7	8.9	57	12 US-10-424-599-159386	Sequence 159386,
6	7	8.9	61	9 US-09-864-761-44740	Sequence 44740, A
7	7	8.9	71	12 US-10-424-599-148831	Sequence 148831,
8	7	7.6	14	10 US-09-880-748-2555	Sequence 2555, Ap
9	7	7.6	14	12 US-10-293-418-2555	Sequence 2555, Ap
10	7	7.6	15	8 US-08-736-019-49	Sequence 49, Appl
11	7	7.6	15	8 US-08-736-019-37	Sequence 37, Appl
12	7	7.6	19	14 US-10-225-567A-1939	Sequence 1939, Ap
13	7	7.6	23	12 US-10-653-595-436	Sequence 436, App
14	7	7.6	23	12 US-09-397-945-435	Sequence 435, App
15	6	7.6	25	12 US-10-372-876-289	Sequence 289, App

16	7.6	25	14	US-10-097-065-289	Sequence 289, App
17	7.6	30	9	US-09-864-761-45510	Sequence 45510, A
18	7.6	30	14	US-10-289-043-11	Sequence 11, Appl
19	7.6	32	14	US-10-231-417-527	Sequence 527, Appl
20	7.6	34	10	US-09-755-109-21	Sequence 21, Appl
21	7.6	38	9	US-09-864-761-41953	Sequence 41953, A
22	7.6	39	11	US-09-833-245-1293	Sequence 1293, Ap
23	7.6	46	11	US-10-424-599-256817	Sequence 256817,
24	7.6	48	12	US-10-424-599-266042	Sequence 266042,
25	7.6	49	12	US-10-424-599-266041	Sequence 266041,
26	7.6	52	11	US-09-864-408A-7658	Sequence 7658, Ap
27	7.6	57	12	US-10-424-599-202381	Sequence 202381,
28	7.6	57	14	US-10-231-417-524	Sequence 524, App
29	7.6	59	12	US-10-424-599-165263	Sequence 165263,
30	7.6	61	15	US-10-283-940-29	Sequence 29, Appl
31	7.6	62	10	US-09-764-591-4971	Sequence 4971, Ap
32	7.6	64	12	US-10-424-599-283525	Sequence 283525,
33	7.6	67	12	US-10-424-599-271663	Sequence 271663,
34	7.6	68	9	US-09-764-887-226	Sequence 226, App
35	7.6	68	14	US-10-073-561-225	Sequence 195527, App
36	7.6	75	12	US-10-424-599-195527	Sequence 49766, A
37	7.6	75	12	US-10-425-114-49766	Sequence 60041, A
38	7.6	76	12	US-10-425-114-68041	Sequence 272926,
39	7.6	76	12	US-10-424-599-272926	Sequence 35919, A
40	7.6	77	9	US-09-864-761-35919	Sequence 156137,
41	7.6	77	12	US-10-424-599-156132	Sequence 237453,
42	7.6	78	12	US-10-424-599-237453	Sequence 201089,
43	7.6	79	12	US-10-424-599-201088	Sequence 209808,
44	7.6	79	12	US-10-424-599-209808	Sequence 331, App
45	6.3	8	12	US-10-182-252A-331	

ALIGNMENTS

RESULT 1
US-10-344-470-1
Sequence 1, Application US/10344470
Publication No. US20040052796A1
GENERAL INFORMATION:
APPLICANT: Cloncom, Gail M.
TITLE OF INVENTION: EXPRESSION OF HERPANTIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN
TITLE OF INVENTION: THAT EXPRESS EITHER P15HER-2 OR THE EGF RECEPTOR INHIBITS RECE
FILE REFERENCE: 49321-81
CURRENT APPLICATION NUMBER: US/10/344,470
CURRENT FILING DATE: 2003-06-09
PRIOR APPLICATION NUMBER: PCT / US01/25502
PRIOR FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: US 09/638,834
PRIOR FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 79
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (2) (2)
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this
OTHER INFORMATION: position
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (5) (5)
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this
OTHER INFORMATION: position
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (6) (6)
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
OTHER INFORMATION: position
FEATURE:

NAME/KEY: MISC FEATURE
LOCATION: (16)-(16)
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (18)-(18)
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (21)-(21)
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence variant
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (36)-(36)
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (64)-(64)
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (54)-(54)
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (73)-(73)
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at this
US-10-344-470-1

Query Match 21.5%; Score 17; DB 12; Length 79;
Best Local Similarity 100.0%; Pred. No. 2.2e-08;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 37 VSAFYSLEPLAPLSPTSV 53
Db 37 VSAFYSLEPLAPLSPTSV 53

RESULT 2
US-10-302-663-1

Sequence 1, Application US/10302663
Publication No. US20040022785A1
GENERAL INFORMATION:
APPLICANT: Clinton, Gail M.
TITLE OF INVENTION: EXPRESSION OF HRSSTATIN, AN ALTERNATIVE HER-2/NEU PRODUCT, IN CELL
TITLE OF INVENTION: EXPRESS EITHER P185HER-2 OR THE EGF RECEPTOR INHIBITS RECEPTOR
FILE REFERENCE: 49321-73
CURRENT APPLICATION NUMBER: US/10/302,663
CURRENT FILING DATE: 2002-11-22
PRIOR APPLICATION NUMBER: US 09/638,834
PRIOR FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 10
SEQ ID NO 1
LENGTH: 79
TYPE: PRT
ORGANISM: Homo Sapiens
NAME/KEY: VARIANT
LOCATION: 2
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this
FEATURE:
NAME/KEY: VARIANT
LOCATION: 5
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this
FEATURE:

NAME/KEY: VARIANT
LOCATION: 6
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
FEATURE:
NAME/KEY: VARIANT
LOCATION: 16
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at this
FEATURE:
NAME/KEY: VARIANT
LOCATION: 18
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at this
FEATURE:
NAME/KEY: VARIANT
LOCATION: 21
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence varia
FEATURE:
NAME/KEY: VARIANT
LOCATION: 36
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at this
FEATURE:
NAME/KEY: VARIANT
LOCATION: 54
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at this
FEATURE:
NAME/KEY: VARIANT
LOCATION: 64
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
FEATURE:
NAME/KEY: VARIANT
LOCATION: 73
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at this
US-10-302-663-1

Query Match 21.5%; Score 17; DB 16; Length 79;
Best Local Similarity 100.0%; Pred. No. 2.2e-08;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 37 VSAFYSLEPLAPLSPTSV 53
Db 37 VSAFYSLEPLAPLSPTSV 53

RESULT 3
US-10-424-599-252451

Sequence 252451, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 252451
LENGTH: 44
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_69992C.1.pep
US-10-424-599-252451

Query Match 8.9%; Score 7; DB 12; Length 44;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 50 PTVSVIS 56
Db 29 PTVSVIS 35

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RESULT 4
US-10-424-599-266679
; Sequence 266679, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 266679
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_82832C.1.pep
US-10-424-599-266679

Query Match
Best Local Similarity 100.0%; Score 7; DB 12; Length 49;
Pred. No. 40;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 AAVPVL 16
DB 17 AAVPVL 23

RESULT 5
US-10-424-599-159386
; Sequence 159386, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 159386
; LENGTH: 57
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_114946C.1.pep
US-10-424-599-159386

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Best Local Similarity 100.0%; Score 7; DB 12; Length 57;
Pred. No. 45;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 AFYSLPL 45
DB 7 AFYSLPL 13

RESULT 6
US-09-864-761-44740
; Sequence 44740, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
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; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 44740
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC016057.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.72
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.59
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.53
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.52
; OTHER INFORMATION: SWISSPROT HIT: Q13563, EVALU2 2.00e+00
; OTHER INFORMATION: EST_HUMAN HIT: BF570694.1, EVALU2 4.00e-16
US-09-864-761-44740

Query Match
Best Local Similarity 100.0%; Score 7; DB 9; Length 61;
Pred. No. 48;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 AAVPLSF 29
DB 37 AAVPLSF 43

RESULT 7
US-10-424-599-148831
; Sequence 148831, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
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APPLICANT: La Rosa Thomas J
 APPLICANT: Kovalic David K
 APPLICANT: Zhou Yihua
 APPLICANT: Cao Yongwei
 TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
 TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 FILE REFERENCE: 38-21(53223)B
 CURRENT APPLICATION NUMBER: US/10/424,599
 CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 285684
 SEQ ID NO 148831
 LENGTH: 71
 TYPE: PRT
 ORGANISM: Glycine max
 FEATURES:
 OTHER INFORMATION: Clone ID: PAT_MRT3847_105417C.1.pep
 US-10-424-599-148831

Query Match 8.9%: Score 7; DB 12; Length 71;
 Best Local Similarity 100.0%; Pred. No. 55;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 AFYSLPL 45
 Db 3 AFYSLPL 9

RESULT 8
 US-09-880-748-2555
 Sequence 2555, Application US/09880748
 Publication No. US20030059937A1
 GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blygs
 FILE REFERENCE: PFS23
 CURRENT APPLICATION NUMBER: US/09/880,748
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 2555
 LENGTH: 14
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-880-748-2555

Query Match 7.6%: Score 6; DB 10; Length 14;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 44 PLAPLS 49
 Db 8 PLAPLS 13

RESULT 9
 US-10-293-418-2555
 Sequence 2555, Application US/10293418
 Publication No. US20030223996A1
 GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blygs
 FILE REFERENCE: PFS23P2
 CURRENT APPLICATION NUMBER: US/10/293,418

CURRENT FILING DATE: 2002-11-27
 PRIOR APPLICATION NUMBER: 60/331,469
 PRIOR FILING DATE: 2001-11-16
 PRIOR APPLICATION NUMBER: 60/340,817
 PRIOR FILING DATE: 2001-12-19
 PRIOR APPLICATION NUMBER: 09/880,748
 PRIOR FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-16
 NUMBER OF SEQ ID NOS: 3247
 SEQ ID NO 2555
 LENGTH: 14
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-293-418-2555

Query Match 7.6%: Score 6; DB 12; Length 14;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 44 PLAPLS 49
 Db 8 PLAPLS 13

RESULT 10
 US-08-736-019-49
 Sequence 49, Application US/08736019
 Publication No. US2003020799A1
 GENERAL INFORMATION:
 APPLICANT: Goodheart, Andrew
 APPLICANT: Strocobant, Paul
 APPLICANT: Minghetti, Luisa
 APPLICANT: Waterfield, Michael
 APPLICANT: Marchionni, Mark
 APPLICANT: Chen, Mario
 TITLE OF INVENTION: GUINAL MITOGENIC FACTORS, THEIR
 PREPARATION AND USE
 NUMBER OF SEQUENCES: 189
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Clark & Elbing LLP
 STREET: 176 Federal Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: U.S.A.
 ZIP: 02110
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 MB
 COMPUTER: IBM Compatible Pentium
 OPERATING SYSTEM: Windows95
 SOFTWARE: FastSeq Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/736,019
 FILING DATE: 22-OCT-1996
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/471,833
 FILING DATE: 06-JUN-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/036,555
 FILING DATE: 24-MAR-1993
 PRIOR APPLICATION DATA: 07/965,173
 APPLICATION NUMBER: 07/965,173
 FILING DATE: 23-OCT-1992

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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bieker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/002000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
TELEFAX: (617) 428-7045
TELEX:
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-736-019-49

Query Match
Best Local Similarity 7.6%; Score 6; DB 8; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61
Db 2 SPVSVG 7

RESULT 11
US-08-736-019-37
Sequence 37, Application US/08736019
Publication No. US2003020799A1
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew
APPLICANT: Stroobant, Paul
APPLICANT: Mingsheili, Luisa
APPLICANT: Waterfield, Michael
APPLICANT: Marchionni, Mark
APPLICANT: Chen, Mario
APPLICANT: Hiles, Ian
TITLE OF INVENTION: GIAL MITOGENIC FACTORS, THEIR
PREPARATION AND USE
NUMBER OF SEQUENCES: 189
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Eibing LLP
STREET: 176 Federal Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible Pentium
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/736,019
FILING DATE: 22-OCT-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/471,833
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555

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FILING DATE: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bieker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/002000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
TELEFAX: (617) 428-7045
TELEX:
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 16
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
FEATURE:
OTHER INFORMATION: Xaa in position 1 is Lysine or
OTHER INFORMATION: Arginine.
US-08-736-013-37

Query Match
Best Local Similarity 7.6%; Score 6; DB 8; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61
Db 3 SPVSVG 8

RESULT 12
US-10-225-567A-1939
Sequence 1939, Application US/10225567A
Publication No. US20030113798A1
GENERAL INFORMATION:
APPLICANT: Lifespan Biosciences
APPLICANT: Brown, Joseph P.
APPLICANT: Burmer, Glenna C.
APPLICANT: Roush, Christine L.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTOR
FILE REFERENCE: 1920-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: Patentin version 3.1
SEQ ID NO 1939
LENGTH: 19
TYPE: PRT
ORGANISM: Homo sapiens
US-10-225-567A-1939

Query Match
Best Local Similarity 7.6%; Score 6; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 PGPAP 25

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DB 9 PGFAPV 14

RESULT 13

US-10-653-595-436

Sequence 436, Application US/10653595

Publication No. US20040048304A1

GENERAL INFORMATION:

APPLICANT: Ruben et. al.

TITLE OF INVENTION: 95 Human secreted proteins

FILE REFERENCE: P2027P1

CURRENT APPLICATION NUMBER: US/10/653,595

CURRENT FILING DATE: 2003-09-03

PRIOR APPLICATION NUMBER: US 09/397945

PRIOR FILING DATE: 1999-09-17

PRIOR APPLICATION NUMBER: PCT/US99/05804

PRIOR FILING DATE: 1999-03-18

PRIOR APPLICATION NUMBER: 60/078,566

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,576

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,573

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,574

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,579

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/080,314

PRIOR FILING DATE: 1998-04-01

PRIOR APPLICATION NUMBER: 60/080,312

PRIOR FILING DATE: 1998-04-01

PRIOR APPLICATION NUMBER: 60/078,578

PRIOR FILING DATE: 1998-03-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 470

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 436

LENGTH: 23

TYPE: PRT

ORGANISM: Homo sapiens

US-10-653-595-436

Query Match

Best Local Similarity 100.0%; Pred. No. 1.8e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 PAAPV 14

DB 4 PAAPV 9

RESULT 14

US-09-397-945-436

Sequence 436, Application US/09397945

Publication No. US20030065139A1

GENERAL INFORMATION:

APPLICANT: Human Genome Sciences, Inc. et al.

TITLE OF INVENTION: 95 Human secreted proteins

FILE REFERENCE: P2027P1

CURRENT APPLICATION NUMBER: US/09/397,945

CURRENT FILING DATE: 1999-09-17

PRIOR APPLICATION NUMBER: PCT/US99/05804

PRIOR FILING DATE: 1999-03-18

PRIOR APPLICATION NUMBER: 60/078,566

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,576

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,573

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,574

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,579

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,578

PRIOR FILING DATE: 1998-03-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 472

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 289

LENGTH: 25

TYPE: PRT

ORGANISM: Homo sapiens

US-10-372-876-289

Query Match

Best Local Similarity 100.0%; Pred. No. 1.9e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

PRIOR APPLICATION NUMBER: 60/080,314

PRIOR FILING DATE: 1998-04-01

PRIOR APPLICATION NUMBER: 60/080,312

PRIOR FILING DATE: 1998-04-01

PRIOR APPLICATION NUMBER: 60/078,578

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,581

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,577

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/078,563

PRIOR FILING DATE: 1998-03-19

PRIOR APPLICATION NUMBER: 60/080,313

PRIOR FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 470

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 436

LENGTH: 23

TYPE: PRT

ORGANISM: Homo sapiens

US-09-397-945-436

Query Match

Best Local Similarity 100.0%; Pred. No. 1.8e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 PAAPV 14

DB 4 PAAPV 9

RESULT 15

US-10-372-876-289

Sequence 289, Application US/10372876

Publication No. US20030204071A1

GENERAL INFORMATION:

APPLICANT: Moore, Paul A. et al.

TITLE OF INVENTION: 110 Human Secreted Proteins

FILE REFERENCE: P2021P1

CURRENT APPLICATION NUMBER: US/10/372,876

CURRENT FILING DATE: 2003-02-26

PRIOR APPLICATION NUMBER: 09/334,585

PRIOR FILING DATE: 1999-06-17

PRIOR APPLICATION NUMBER: PCT/US98/27059

PRIOR FILING DATE: 1998-12-17

PRIOR APPLICATION NUMBER: 60/070,923

PRIOR FILING DATE: 1997-12-18

PRIOR APPLICATION NUMBER: 60/068,007

PRIOR FILING DATE: 1997-12-18

PRIOR APPLICATION NUMBER: 60/068,057

PRIOR FILING DATE: 1997-12-18

PRIOR APPLICATION NUMBER: 60/068,006

PRIOR FILING DATE: 1997-12-18

PRIOR APPLICATION NUMBER: 60/068,369

PRIOR FILING DATE: 1997-12-19

PRIOR APPLICATION NUMBER: 60/068,367

PRIOR FILING DATE: 1997-12-19

PRIOR APPLICATION NUMBER: 60/068,368

PRIOR FILING DATE: 1997-12-19

PRIOR APPLICATION NUMBER: 60/068,169

PRIOR FILING DATE: 1997-12-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 672

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 289

LENGTH: 25

TYPE: PRT

ORGANISM: Homo sapiens

US-10-372-876-289

Query Match

Best Local Similarity 100.0%; Pred. No. 1.9e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Fri Jun 4 11:10:10 2004

us-09-234-208b-1.oliszlms80.rapb

Page 7

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Db	16	LPRPA	21

Search completed: June 4, 2004, 10:56:21
Job time : 42 secs

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OM protein - protein search, using sw model

Run on: June 4, 2004, 10:42:12 ; Search time 22 Seconds
(without alignments)

185,384 Million cell updates/sec

Title: US-09-234-208B-1

Perfect score: 79

Sequence: 1 GTHSLPPRAAVPVLRLMQP.....VGRGPDPAHVAVNLSRYEG 79

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Searched: 389414 seqs, 51625971 residues

Word size: 0

Total number of hits satisfying chosen parameters: 255172

Minimum DB seq length: 0
Maximum DB seq length: 80

Post-processing: Listing first 45 summaries

Database:

Issued Patents AA: *
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6: /cgm2_6/prodata/2/iaa/5B_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	79	100.0	79	4	US-09-630-155-1 Sequence 1, Appl
2	76	7.6	12	2	US-08-811-492-146 Sequence 146, App
3	76	7.6	15	1	US-08-036-555B-49 Sequence 49, Appl
4	76	7.6	15	1	US-08-469-569-49 Sequence 49, Appl
5	76	7.6	15	1	US-08-249-322A-49 Sequence 49, Appl
6	76	7.6	15	1	US-08-469-526A-49 Sequence 49, Appl
7	76	7.6	15	2	US-08-734-591A-49 Sequence 49, Appl
8	76	7.6	15	2	US-08-469-660-49 Sequence 49, Appl
9	76	7.6	15	3	US-08-341-018-82 Sequence 82, Appl
10	76	7.6	15	3	US-08-470-335-49 Sequence 49, Appl
11	76	7.6	15	3	US-08-735-021-49 Sequence 49, Appl
12	76	7.6	15	3	US-08-734-664A-49 Sequence 49, Appl
13	76	7.6	15	3	US-08-470-339-49 Sequence 49, Appl
14	76	7.6	15	3	US-08-467-602-49 Sequence 49, Appl
15	76	7.6	15	5	PCT-US94-05083C-46 Sequence 46, Appl
16	76	7.6	15	5	PCT-US95-06846A-49 Sequence 49, Appl
17	76	7.6	16	1	US-08-036-555B-37 Sequence 37, Appl
18	76	7.6	16	1	US-08-469-569-37 Sequence 37, Appl
19	76	7.6	16	1	US-08-249-322A-37 Sequence 37, Appl
20	76	7.6	16	1	US-08-469-526A-37 Sequence 37, Appl
21	76	7.6	16	2	US-08-734-591A-37 Sequence 37, Appl
22	76	7.6	16	2	US-08-469-660-37 Sequence 37, Appl
23	76	7.6	16	3	US-08-470-335-37 Sequence 37, Appl
24	76	7.6	16	3	US-08-735-021-37 Sequence 37, Appl
25	76	7.6	16	3	US-08-734-664A-37 Sequence 37, Appl
26	76	7.6	16	3	US-08-470-339-37 Sequence 37, Appl
27	76	7.6	16	4	US-08-467-602-37 Sequence 37, Appl

28	6	7.6	16	5	PCT-US94-05083C-37 Sequence 37, Appl
29	6	7.6	16	5	PCT-US95-06846A-37 Sequence 37, Appl
30	6	7.6	30	4	US-09-537-226-11 Sequence 11, Appl
31	6	7.6	34	1	US-08-118-270-81 Sequence 81, Appl
32	6	7.6	34	1	US-08-085-122-11 Sequence 11, Appl
33	6	7.6	34	2	US-08-319-052-21 Sequence 21, Appl
34	6	7.6	34	3	US-08-442-108B-21 Sequence 21, Appl
35	6	7.6	34	5	US-09-08528-81 Sequence 81, Appl
36	6	7.6	52	4	US-09-621-976-6281 Sequence 6281, Ap
37	6	7.6	65	4	US-09-134-000C-4455 Sequence 4455, Ap
38	6	7.6	65	4	US-09-543-668A-6668 Sequence 6668, Ap
39	6	7.6	71	4	US-09-489-039A-11681 Sequence 11681, A
40	6	7.6	74	4	US-09-134-001C-4092 Sequence 4092, Ap
41	5	6.3	9	1	US-08-178-570-29 Sequence 29, Appl
42	5	6.3	9	3	US-08-369-643-29 Sequence 29, Appl
43	5	6.3	9	3	US-08-159-339A-973 Sequence 973, App
44	5	6.3	9	4	US-09-311-784A-430 Sequence 430, App
45	5	6.3	9	5	PCT-US95-00147-29 Sequence 29, Appl

ALIGNMENTS

RESULT 1
US-09-630-155-1
Sequence 1, Application US/09630155
Patent No. 6414130
GENERAL INFORMATION:
APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSER: DAVIS WRIGHT TREMAINE LLP
STREET: 1501 Fourth Avenue, 2600 Century Square
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PC compatible
OPERATING SYSTEM: Windows95
SOFTWARE: Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/630,155
FILING DATE: 16-Jan-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Davison, Barry L.
REGISTRATION NUMBER: 47,309
REFERENCE/DOCKET NUMBER: 49321-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206 628-7621
TELEFAX: 206 628-7699
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 79
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: HER-2 ECD antagonist
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-630-155-1
Query Match 100.0%; Score 79; DB 4; Length 79;
Best local Similarity 100.0%; Pred. No. 2; Be-69;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTHSLPPRAAVPVLRLMQPGRAPVLSFLRPSMDLVSATFSLPLAPLSPVSPV 60
DB 1 GTHSLPPRAAVPVLRLMQPGRAPVLSFLRPSMDLVSATFSLPLAPLSPVSPV 60
QY 61 GRGPDPAHVAVNLSRYEG 79

DB 61 GCGPDAHVAVNLRYEG 79

RESULT 2

US-08-811-492-146
Sequence 146, Application US/08811492
Patent No. 5834247
GENERAL INFORMATION:
APPLICANT: COMB, DONALD G.
APPLICANT: PERLER, FRANCIS B.
APPLICANT: JACK, WILLIAM E.
APPLICANT: XU, MING-QUN
APPLICANT: HODGES, ROBERT A.
APPLICANT: NOREN, CHRISTOPHER J.
APPLICANT: CHONG, SHORONG S.C.
APPLICANT: ADAM, ERIC
APPLICANT: SOUTHWORTH, MAURICE
TITLE OF INVENTION: MODIFIED PROTEINS, METHODS OF THEIR
TITLE OF INVENTION: PRODUCTION AND METHODS FOR PURIFICATION OF TARGET
TITLE OF INVENTION: PROTEINS
NUMBER OF SEQUENCES: 155
CORRESPONDENCE ADDRESS:
ADDRESSEE: GREGORY D. WILLIAMS; NEW ENGLAND BIOLABS, INC.
STREET: 32 TOZER ROAD
CITY: BEVERLY
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01915
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC DOS/MS DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/811,492
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/580,555
FILING DATE: 29-DEC-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/496,247
FILING DATE: 28-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/146,885
FILING DATE: 03-NOV-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/004,139
FILING DATE: 09-DEC-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Williams, Gregory D
REGISTRATION NUMBER: 30901
REFERENCE/DOCKET NUMBER: NEB-036C4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-927-5054
TELEFAX: 508-927-1705
TELEX:
INFORMATION FOR SEQ ID NO: 146:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-811-492-146

Query Match 7.6%; Score 6; DB 2; Length 12;
Best Local Similarity 100.0%; Pred. No. 21;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 45 LAPSP 50
DB 7 LAPSP 12

RESULT 3

US-08-036-555B-49
Sequence 49, Application US/08036555B
Patent No. 5530109
GENERAL INFORMATION:
APPLICANT: Goodheart, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
APPLICANT: Chen, Mao; Su, Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pelfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/036,555B
FILING DATE: 24-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teal, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 5250.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 838-3684
TELEFAX: (212) 838-9200
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-036-555B-49

Query Match 7.6%; Score 6; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSYG 61
DB 2 SPVSYG 7

RESULT 4
US-08-469-569-49
Sequence 49, Application US/08469569
Patent No. 5606032
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
NUMBER OF SEQUENCES: 184
TITLE OF INVENTION: Preparation and Use
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,569
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 5250.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-469-569-49
Query Match 7.6%; Score 6; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 56 SPVSVC 61
Db 2 SPVSVC 7

RESULT 5
US-08-249-322A-49
Sequence 49, Application US/08249322A
Patent No. 5716930
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew
APPLICANT: Stroobant, Paul
APPLICANT: Minghetti, Luisa
APPLICANT: Waterfield, Michael
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
NUMBER OF SEQUENCES: 184
TITLE OF INVENTION: Preparation and Use
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/249,322A
FILING DATE: 26-MAY-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 250.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-249-322A-49
Query Match 7.6%; Score 6; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 56 SPVSVC 61
Db 2 SPVSVC 7

RESULT 6
US-08-469-526A-49
Sequence 49, Application US/08469526A
Patent No. 5792849
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew
APPLICANT: Stroobant, Paul
APPLICANT: Minghetti, Luisa
APPLICANT: Waterfield, Michael

APPLICANT: Marchionni, Mark
APPLICANT: Chen, Mao Su
APPLICANT: Hiles, Ian
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
PREPARATION AND USE
NUMBER OF SEQUENCES: 187
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Elbing LLP
STREET: 176 Federal Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,526A
FILING DATE: 06 June 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
APPLICATION NUMBER: 07/907,138
FILING DATE: 03-JUN-1992
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Baker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/00200A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-428-0200
TELEFAX: 617-428-7045
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-469-526A-49

Query Match 7.6%; Score 6; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 56 SPVSVG 61
DB 2 SPVSVG 7

RESULT 7
US-08-734-591A-49
Sequence 49, Application US/08734591A
Patent No. 5854220
GENERAL INFORMATION:
APPLICANT: Goodheart, Andrew
APPLICANT: Strocobant, Paul
APPLICANT: Minshetti, Luisa
APPLICANT: Waterfield, Michael
APPLICANT: Hiles, Ian
APPLICANT: Marchionni, Mark
APPLICANT: Chen, Mao Su
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
PREPARATION AND USE

NUMBER OF SEQUENCES: 187
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Elbing LLP
STREET: 176 Federal Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible Pentium
OPERATING SYSTEM: Windows95
SOFTWARE: WordPerfect (Version 7.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/734,591A
FILING DATE: 22-OCT-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/470,335
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 03-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APR-1992
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Baker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/00200P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
TELEFAX: (617) 428-7045
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-734-591A-49

Query Match 7.6%; Score 6; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 56 SPVSVG 61
DB 2 SPVSVG 7

RESULT 8
US-08-469-660-49
Sequence 49, Application US/08469660
Patent No. 5876973
GENERAL INFORMATION:
APPLICANT: Gayne, David I.; Marchionni, Mark;
APPLICANT: McBurney, Robert N.
TITLE OF INVENTION: INHIBITORS OF CELL PROLIFERATION,
THEIR PREPARATION AND USE
NUMBER OF SEQUENCES: 184

Fri Jun 4 11:10:10 2004

us-09-234-208b-1.oliszm80.ra1

Page 5

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CORRESPONDENCE ADDRESS:
ADDRESSER: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
ZIP: 0211-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,660
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/011,396
FILING DATE: 29-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/984,085
FILING DATE: 01-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/951,747
FILING DATE: 25-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/927,337
FILING DATE: 10-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 04585/017004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: 200154
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-469-660-49

Query Match          7.6%; Score 6; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61
DB 2 SPVSVG 7

RESULT 9
US-08-341-018-82
Sequence 82, Application US/08341018A
Patent No. 6087323
GENERAL INFORMATION:
APPLICANT: Gyenne, David I.
APPLICANT: Mahanthappa, Nagesh K.
APPLICANT: Marchionni, Mark A.
APPLICANT: Birmingham-McDonogh, Olivia
APPLICANT: Goldin, Stanley M.
APPLICANT: McBurney, Robert N.
TITLE OF INVENTION: USE OF NEUREGULINS AS MODULATORS OF
TITLE OF INVENTION: CELLULAR COMMUNICATION
FILE REFERENCE: 04585/041001
CURRENT APPLICATION NUMBER: US/08/341,018A
CURRENT FILING DATE: 1994-11-17
NUMBER OF SEQ ID NOS: 87
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 82
LENGTH: 15
TYPE: PRT
ORGANISM: Bos taurus
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US-08-341-018-82
Query Match          7.6%; Score 6; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61
DB 2 SPVSVG 7

RESULT 10
US-08-470-335-49
Sequence 49, Application US/08470335F
Patent No. 6147190
GENERAL INFORMATION:
APPLICANT: GOODEARL, ANDREW
APPLICANT: STROOBANT, PAUL
APPLICANT: MINGHETTI, LUISA
APPLICANT: WATERFIELD, MICHAEL
APPLICANT: MARCHIONNI, MARK
APPLICANT: CHEN, MARIO S.
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
FILE REFERENCE: 04585/00200B
CURRENT APPLICATION NUMBER: US/08/470,335F
CURRENT FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: 08/036,555
EARLIER FILING DATE: 1993-03-24
NUMBER OF SEQ ID NOS: 252
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 49
LENGTH: 15
TYPE: PRT
ORGANISM: Bos taurus
US-08-470-335-49

Query Match          7.6%; Score 6; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61
DB 2 SPVSVG 7

RESULT 11
US-08-735-021-49
Sequence 49, Application US/08735021B
Patent No. 6194377
GENERAL INFORMATION:
APPLICANT: GOODEARL, ANDREW
APPLICANT: STROOBANT, PAUL
APPLICANT: MINGHETTI, LUISA
APPLICANT: WATERFIELD, MICHAEL
APPLICANT: MARCHIONNI, MARK
APPLICANT: CHEN, MARIO S.
APPLICANT: HILES, IAN
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
FILE REFERENCE: 04585/00200L
CURRENT APPLICATION NUMBER: US/08/735,021B
CURRENT FILING DATE: 1996-10-22
EARLIER APPLICATION NUMBER: 08/472,065
EARLIER FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: 08/036,555
EARLIER FILING DATE: 1993-03-24
EARLIER APPLICATION NUMBER: 07/965,173
EARLIER FILING DATE: 1992-10-23
EARLIER APPLICATION NUMBER: 07/940,389
EARLIER FILING DATE: 1992-09-03
EARLIER APPLICATION NUMBER: 07/907,138
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EARLIER FILING DATE: 1992-06-30
EARLIER APPLICATION NUMBER: 07/863,703
EARLIER FILING DATE: 1992-04-03
NUMBER OF SEQ ID NOS: 192
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 49
LENGTH: 15
TYPE: PR1
ORGANISM: Bos taurus
US-08-735-021-49

Query Match 7.6%; Score 6; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61
Db 2 SPVSVG 7

RESULT 12
US-08-734-664A-49
Sequence 49, Application US/08734664A
Patent No. 6204241
GENERAL INFORMATION:
APPLICANT: Goodheart, Andrew
APPLICANT: Stroobant, Paul
APPLICANT: Minghetti, Luisa
APPLICANT: Waterfield, Michael
APPLICANT: Marchionni, Mark
APPLICANT: Chen, Mario
APPLICANT: Hiles, Ian
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
NUMBER OF SEQUENCES: 187
TITLE OF INVENTION: PREPARATION AND USE
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Biring LLP
STREET: 176 Federal Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
COMPUTER: IBM Compatible Pentium
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/734,664A
FILING DATE: 22-OCT-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/249,322
FILING DATE: 26-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:

NAME: Bieker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/00200J
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
TELEFAX: (617) 428-7045
TELEX:
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-734-664A-49

Query Match 7.6%; Score 6; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61
Db 2 SPVSVG 7

RESULT 13
US-08-470-339-49
Sequence 49, Application US/08470339C
Patent No. 623286
GENERAL INFORMATION:
APPLICANT: GOODHEART, ANDREW
APPLICANT: STROOBANT, PAUL
APPLICANT: MINGHETTI, LUISA
APPLICANT: WATERFIELD, MICHAEL
APPLICANT: MARCHIONNI, MARK
APPLICANT: CHEN, MARIO S.
APPLICANT: HILES, IAN
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
NUMBER OF SEQUENCES: 187
TITLE OF INVENTION: PREPARATION AND USE
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Biring LLP
STREET: 176 Federal Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
COMPUTER: IBM Compatible Pentium
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/470,339C
FILING DATE: 1995-06-06
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 1993-03-24
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 1992-09-03
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 1992-06-30
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 1992-04-03
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 91 07566.3 GB
FILING DATE: 1999-04-10
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/249,322
FILING DATE: 26-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:

Query Match 7.6%; Score 6; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVSVG 61
Db 2 SPVSVG 7

RESULT 14
US-08-467-602-49
Sequence 49, Application US/08467602C
Patent No. 644642
GENERAL INFORMATION:

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APPLICANT: Sklar, Robert
APPLICANT: Marchionni, Mark
APPLICANT: Gwynne, David I.
TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND
FILE REFERENCE: 04585/028003
CURRENT APPLICATION NUMBER: US/08/467,602C
CURRENT FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: 08/209,204
EARLIER FILING DATE: 1994-03-08
EARLIER APPLICATION NUMBER: 08/059,022
EARLIER FILING DATE: 1993-05-06
NUMBER OF SEQ ID NOS: 420
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 49
LENGTH: 15
TYPE: PRT
ORGANISM: Bos taurus
US-08-467-602-49

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Query Match          7.6%; Score 6; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 56 SPVSVG 61
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DB 2 SPVSVG 7

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RESULT 15
PCT-US94-05083C-46
Sequence 46, Application PC/TUS9405083C
GENERAL INFORMATION:
APPLICANT: Robert Sklar, Mark Marchionni,
APPLICANT: David I. Gwynne
TITLE OF INVENTION: METHODS FOR ALTERING
TITLE OF INVENTION: MUSCLE CONDITION
NUMBER OF SEQUENCES: 185
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/05083C
FILING DATE: 06-MAY-94
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/209,204
FILING DATE: 08-MAR-94
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/059,022
FILING DATE: 06-MAY-93
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 04585/028W01
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 46:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:

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TOPOLOGY: linear
PCT-US94-05083C-46

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Query Match          7.6%; Score 6; DB 5; Length 15;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 56 SPVSVG 61
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DB 2 SPVSVG 7

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Search completed: June 4, 2004, 10:51:44
Job time : 23 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: June 4, 2004, 10:40:12 ; Search time 12.3735 Seconds
(without alignments)
1796.239 Million cell updates/sec

Title: US-09-234-208B-1

Sequence: 1 GTHSLPRPAAPVPLRMQP.....VGRGPDPAHVAVNLRYRG 79

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1155919 seqs, 28138677 residues

Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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- 2: /cgn2_6/prodata/2/pubppa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/prodata/2/pubppa/US06_NEW_PUB.pep.*
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- 5: /cgn2_6/prodata/2/pubppa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/prodata/2/pubppa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/prodata/2/pubppa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/prodata/2/pubppa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/prodata/2/pubppa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/prodata/2/pubppa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/prodata/2/pubppa/US09C_PUBCOMB.pep.*
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- 15: /cgn2_6/prodata/2/pubppa/US10C_PUBCOMB.pep.*
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- 18: /cgn2_6/prodata/2/pubppa/US60_PUBCOMB.pep.*

Prog. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
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2	355	84.9	79	US-10-302-663-1	Sequence 1, Appli
3	351	84.0	419	US-10-344-470-2	Sequence 2, Appli
4	351	84.0	419	US-10-302-663-2	Sequence 2, Appli
5	86	20.6	459	US-09-468-147-206	Sequence 206, App
6	86	20.6	459	US-09-468-147-207	Sequence 207, App
7	86	20.6	459	US-10-319-745-206	Sequence 206, App
8	86	20.6	459	US-10-319-745-207	Sequence 207, App
9	86	20.6	459	US-09-931-836-35	Sequence 35, Appli
10	83.5	20.0	888	US-10-147-493-544	Sequence 544, App
11	83.5	20.0	888	US-10-145-127-544	Sequence 544, App
12	83.5	20.0	888	US-10-160-503-544	Sequence 544, App
13	83.5	20.0	888	US-10-211-462-167	Sequence 167, App
14	83.5	20.0	888	US-10-143-118-544	Sequence 544, App
15	83.5	20.0	888	US-10-144-993-544	Sequence 544, App

16	83.5	20.0	888	US-10-158-787-544	Sequence 544, App
17	83.5	20.0	888	US-10-081-056-268	Sequence 268, App
18	83.5	20.0	888	US-10-140-024-544	Sequence 544, App
19	83.5	20.0	888	US-10-140-808-544	Sequence 544, App
20	83.5	20.0	888	US-10-152-405-544	Sequence 544, App
21	83.5	20.0	888	US-10-127-852A-544	Sequence 544, App
22	83.5	20.0	888	US-10-127-900A-544	Sequence 544, App
23	83.5	20.0	888	US-10-128-665A-544	Sequence 544, App
24	83.5	20.0	888	US-10-131-820A-544	Sequence 544, App
25	83.5	20.0	888	US-10-142-866-544	Sequence 544, App
26	83.5	20.0	888	US-10-146-728-544	Sequence 544, App
27	83.5	20.0	888	US-10-146-728-544	Sequence 544, App
28	83.5	20.0	888	US-10-147-499-544	Sequence 544, App
29	83.5	20.0	888	US-10-157-798-544	Sequence 268, App
30	83.5	20.0	888	US-10-305-654-568	Sequence 544, App
31	83.5	20.0	888	US-10-036-342-35	Sequence 35, Appli
32	83.5	20.0	888	US-10-036-041-35	Sequence 35, Appli
33	83.5	20.0	888	US-10-028-072-544	Sequence 544, App
34	83.5	20.0	888	US-10-035-855-35	Sequence 35, Appli
35	83.5	20.0	888	US-10-121-049-544	Sequence 544, App
36	83.5	20.0	888	US-10-123-904-544	Sequence 544, App
37	83.5	20.0	888	US-10-140-470-544	Sequence 544, App
38	83.5	20.0	888	US-10-175-746-544	Sequence 544, App
39	83.5	20.0	888	US-10-176-918-544	Sequence 544, App
40	83.5	20.0	888	US-10-176-921-544	Sequence 544, App
41	83.5	20.0	888	US-10-038-214-35	Sequence 35, Appli
42	83.5	20.0	888	US-10-137-865-544	Sequence 544, App
43	83.5	20.0	888	US-10-140-474-544	Sequence 544, App
44	83.5	20.0	888	US-10-035-719-35	Sequence 35, Appli
45	83.5	20.0	888	US-10-142-431-544	Sequence 544, App

ALIGNMENTS

RESULT 1
US-10-344-470-1
Sequence 1, Application US/10344470
Publication No. US20040052796A1
GENERAL INFORMATION:
APPLICANT: Clinton, Gall M.
TITLE OF INVENTION: EXPRESSION OF HER2/NEU PRODUCT, IN
TITLE OF INVENTION: THAT EXPRESS EITHER P185HER-2 OR THE EGF RECEPTOR INHIBITS RECH
FILE REFERENCE: 49321-81
CURRENT APPLICATION NUMBER: US/10/344,470
PRIOR FILING DATE: 2003-06-09
PRIOR APPLICATION NUMBER: PCT / US01/25502
PRIOR FILING DATE: 2001-08-14
PRIOR APPLICATION NUMBER: US 09/638,834
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 79
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (2)..(2)
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (6)..(6)
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
OTHER INFORMATION: position
FEATURE:

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1 ORGANISM: Homo Sapiens
2
3 FEATURE:
4 NAME/KEY: VARIANT
5 LOCATION: 2
6 OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this
7 FEATURE:
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; SEQ ID NO 2
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Homo sapiens
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FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (342)..(342)
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this
FEATURE: position
NAME/KEY: MISC FEATURE
LOCATION: (345)..(345)
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this
FEATURE: position
NAME/KEY: MISC FEATURE
LOCATION: (346)..(346)
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
FEATURE: position
NAME/KEY: MISC FEATURE
LOCATION: (356)..(356)
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at this
FEATURE: position
NAME/KEY: MISC FEATURE
LOCATION: (358)..(358)
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at this
FEATURE: position
NAME/KEY: MISC FEATURE
LOCATION: (361)..(361)
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence variant
FEATURE: s at this position
NAME/KEY: MISC FEATURE
LOCATION: (376)..(376)
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at this
FEATURE: position
NAME/KEY: MISC FEATURE
LOCATION: (394)..(394)
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at this
FEATURE: position
NAME/KEY: MISC FEATURE
LOCATION: (404)..(404)
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
FEATURE: position
NAME/KEY: MISC FEATURE
LOCATION: (413)..(413)
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at this
FEATURE: position
OTHER INFORMATION: position
US-10-344-470-2

Query Match 84.0%; Score 351; DB 12; Length 419;
Best Local Similarity 86.1%; Pred. No. 1.4e-26;
Matches 68; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
QY 1 GTSTLPRPAVVELPMQPGPAHVLSTLRPSMDLVSAFSLPLAPISPTSPVPSV 60
DB 341 GXHSXPRPAVPEVPRXQPPAHVLSFLRPSMDVSAFSLPLAPDPTSVXISPSV 400
QY 61 GRGPDPAHVAVNLSTRYG 79
DB 401 GRGPDPAHVAVXLSTRYG 419

RESULT 4
US-10-302-663-2
Sequence 2, Application US/10302663
Publication No. US20040022785A1
GENERAL INFORMATION:
APPLICANT: Clinton, Call M.
TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE HER-2/NEU PRODUCT, IN CELL
TITLE OF INVENTION: EXPRESS EITHER P18HER-2 OR THE EGF RECEPTOR INHIBITS RECEPTOR A

TITLE OF INVENTION: GROWTH
FILE REFERENCE: 49321-73
CURRENT APPLICATION NUMBER: US/10/302,663
CURRENT FILING DATE: 2002-11-22
PRIOR APPLICATION NUMBER: US 09/638,834
PRIOR FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 10
SEQ ID NO 2
LENGTH: 419
TYPE: PRT
ORGANISM: Homo Sapiens

FEATURE:
NAME/KEY: VARIANT
LOCATION: 342
OTHER INFORMATION: Applicants herein disclose Thr and Ser sequence variants at this
FEATURE: position
NAME/KEY: VARIANT
LOCATION: 345
OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at this
FEATURE: position
NAME/KEY: VARIANT
LOCATION: 346
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
FEATURE: position
NAME/KEY: VARIANT
LOCATION: 356
OTHER INFORMATION: Applicants herein disclose Leu and Gln sequence variants at this
FEATURE: position
NAME/KEY: VARIANT
LOCATION: 358
OTHER INFORMATION: Applicants herein disclose Met and Leu sequence variants at this
FEATURE: position
NAME/KEY: VARIANT
LOCATION: 361
OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence varian
OTHER INFORMATION: position
NAME/KEY: VARIANT
LOCATION: 376
OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at this
FEATURE: position
NAME/KEY: VARIANT
LOCATION: 394
OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at this
FEATURE: position
NAME/KEY: VARIANT
LOCATION: 404
OTHER INFORMATION: Applicants herein disclose Pro and Leu sequence variants at this
FEATURE: position
NAME/KEY: VARIANT
LOCATION: 413
OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at this
FEATURE: position
OTHER INFORMATION: position
US-10-302-663-2

Query Match 84.0%; Score 351; DB 16; Length 419;
Best Local Similarity 86.1%; Pred. No. 1.4e-26;
Matches 68; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
QY 1 GTSTLPRPAVVELPMQPGPAHVLSTLRPSMDLVSAFSLPLAPISPTSPVPSV 60
DB 341 GXHSXPRPAVPEVPRXQPPAHVLSFLRPSMDVSAFSLPLAPDPTSVXISPSV 400
QY 61 GRGPDPAHVAVNLSTRYG 79
DB 401 GRGPDPAHVAVXLSTRYG 419

RESULT 5
US-09-468-147-206
Sequence 206, Application US/09468147A
Publication No. US20030049601A1
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories

APPLICANT: Schlauder, George G.
APPLICANT: Erker, James C.
APPLICANT: Desai, Suresh M.
APPLICANT: Dawson, George J.
APPLICANT: Mushahwar, I. K.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING
FILE REFERENCE: 6232.US.P1
CURRENT APPLICATION NUMBER: US/09/468,147A
CURRENT FILING DATE: 1999-12-21
EARLIER APPLICATION NUMBER: US 09/173,141
EARLIER FILING DATE: 1998-10-15
EARLIER APPLICATION NUMBER: US 60/061,199
EARLIER FILING DATE: 1997-10-15
NUMBER OF SEQ ID NOS: 258
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 206
LENGTH: 459
TYPE: PRT
ORGANISM: Hepatitis E Virus
FEATURE:
OTHER INFORMATION: CKSORF32M-3.pep
US-09-468-147-206

Query Match 20.6%; Score 86; DB 10; Length 459;
Best Local Similarity 34.2%; Pred. No. 2.2;
Matches 27; Conservative 12; Mismatches 28; Indels 12; Gaps 4;

1 GTHSLPPRAVPPLRMQGPAPHVLSFLRPSMDIVSAFYSLLAPL---SPTSVPISP 57
57 GVTGLILSPS--PSPIFIQPTPS-PWMSFNPGLSLALDSRAPAPLAPLGVTSAPSAPPLPP 113

58 V-----SVGRGPPDPDAH 70
114 VVDLPQLGLRRGADGTAEI 132

RESULT 6
US-09-468-147-207
Sequence 207, Application US/09/468147A
Publication No. US20030049601A1
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Schlauder, George G.
APPLICANT: Erker, James C.
APPLICANT: Desai, Suresh M.
APPLICANT: Dawson, George J.
APPLICANT: Mushahwar, I. K.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING
FILE REFERENCE: 6232.US.P1
CURRENT APPLICATION NUMBER: US/09/468,147A
CURRENT FILING DATE: 1999-12-21
EARLIER APPLICATION NUMBER: US 09/173,141
EARLIER FILING DATE: 1998-10-15
EARLIER APPLICATION NUMBER: US 60/061,199
EARLIER FILING DATE: 1997-10-15
NUMBER OF SEQ ID NOS: 258
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 207
LENGTH: 459
TYPE: PRT
ORGANISM: Hepatitis E Virus
FEATURE:
OTHER INFORMATION: FLORF32M-14-5.pap
US-09-468-147-207

Query Match 20.6%; Score 86; DB 10; Length 459;
Best Local Similarity 34.2%; Pred. No. 2.2;
Matches 27; Conservative 12; Mismatches 28; Indels 12; Gaps 4;

1 GTHSLPPRAVPPLRMQGPAPHVLSFLRPSMDIVSAFYSLLAPL---SPTSVPISP 57
57 GVTGLILSPS--PSPIFIQPTPS-PWMSFNPGLSLALDSRAPAPLAPLGVTSAPSAPPLPP 113

Db 57 GVTGLILSPS--PSPIFIQPTPS-PWMSFNPGLSLALDSRAPAPLAPLGVTSAPSAPPLPP 113
Qy 58 V-----SVGRGPPDPDAH 70
Db 114 VVDLPQLGLRRGADGTAEI 132

RESULT 7
US-10-319-745-206
Sequence 206, Application US/10319745
Publication No. US20030211467A1
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Schlauder, George G.
APPLICANT: Erker, James C.
APPLICANT: Desai, Suresh M.
APPLICANT: Dawson, George J.
APPLICANT: Mushahwar, I. K.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING
FILE REFERENCE: 6232.US.P1
CURRENT APPLICATION NUMBER: US/10/319,745
CURRENT FILING DATE: 2002-12-13
PRIOR APPLICATION NUMBER: US/09/468,147A
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-10-15
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-15
NUMBER OF SEQ ID NOS: 258
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 206
LENGTH: 459
TYPE: PRT
ORGANISM: Hepatitis E Virus
FEATURE:
OTHER INFORMATION: CKSORF32M-3.pap
US-10-319-745-206

Query Match 20.6%; Score 86; DB 12; Length 459;
Best Local Similarity 34.2%; Pred. No. 2.2;
Matches 27; Conservative 12; Mismatches 28; Indels 12; Gaps 4;

1 GTHSLPPRAVPPLRMQGPAPHVLSFLRPSMDIVSAFYSLLAPL---SPTSVPISP 57
57 GVTGLILSPS--PSPIFIQPTPS-PWMSFNPGLSLALDSRAPAPLAPLGVTSAPSAPPLPP 113

58 V-----SVGRGPPDPDAH 70
114 VVDLPQLGLRRGADGTAEI 132

RESULT 8
US-10-319-745-207
Sequence 207, Application US/10319745
Publication No. US20030211467A1
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Schlauder, George G.
APPLICANT: Erker, James C.
APPLICANT: Desai, Suresh M.
APPLICANT: Dawson, George J.
APPLICANT: Mushahwar, I. K.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING
FILE REFERENCE: 6232.US.P1
CURRENT APPLICATION NUMBER: US/10/319,745
CURRENT FILING DATE: 2002-12-13
PRIOR APPLICATION NUMBER: US/09/468,147A
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-10-15
PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-15
NUMBER OF SEQ ID NOS: 258
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 207
LENGTH: 459
TYPE: PRT
ORGANISM: Hepatitis E Virus
FEATURE:
OTHER INFORMATION: FLORF32M-14-5.pap
US-10-319-745-207

Query Match 20.6%; Score 86; DB 10; Length 459;
Best Local Similarity 34.2%; Pred. No. 2.2;
Matches 27; Conservative 12; Mismatches 28; Indels 12; Gaps 4;

1 GTHSLPPRAVPPLRMQGPAPHVLSFLRPSMDIVSAFYSLLAPL---SPTSVPISP 57
57 GVTGLILSPS--PSPIFIQPTPS-PWMSFNPGLSLALDSRAPAPLAPLGVTSAPSAPPLPP 113

Fri Jun 4 11:10:11 2004

us-09-234-208b-1.rapb

Page 5

PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-15
NUMBER OF SEQ ID NOS: 258
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 207
LENGTH: 459
TYPE: PRT
ORGANISM: Hepatitis E Virus
FEATURE:
OTHER INFORMATION: PLOREF32M-14-5.pcp
US-10-319-745-207

Query Match 20.6% Score 86; DB 12; Length 459;
Best Local Similarity 34.2%; Pred. No. 2.2; Mismatches 28; Indels 12; Gaps 4;
Matches 27; Conservative 12;

QY 1 GTHSLPRAAVFVPRMOPGPAHPLVSLRPSMDVSAFYSIPLAFL--SFTSVPISP 57
DB 57 GTVGLILSPS--PSPFIPTPS--PMSFNNPGLIALDSRPAPLAPLAVTSSAPPLPP 113
QY 58 V-----SVRGPPDPDAH 70
DB 114 VVDLPQLGMRGADGTAEI 132

RESULT 9

US-09-931-836-35
Sequence 35, Application US/09931836
Publication No. US2003027249A1
GENERAL INFORMATION:
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Stewart, Timothy A.
APPLICANT: Matanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zhenli
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3030R1C1
CURRENT APPLICATION NUMBER: US/09/931,836
CURRENT FILING DATE: 2001-08-16
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/112514
PRIOR FILING DATE: 1998-12-15
PRIOR APPLICATION NUMBER: 60/113300
PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: 60/113430
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/113605
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/113621
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/114140
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/115552
PRIOR FILING DATE: 1999-01-12
PRIOR APPLICATION NUMBER: 60/116843
PRIOR FILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 60/125774
PRIOR FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: 60/125778
PRIOR FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: 60/125826
PRIOR FILING DATE: 1999-03-24
PRIOR APPLICATION NUMBER: 60/127055
PRIOR FILING DATE: 1999-03-31
PRIOR APPLICATION NUMBER: 60/127706
PRIOR FILING DATE: 1999-04-05
PRIOR APPLICATION NUMBER: 60/129122

PRIOR FILING DATE: 1999-04-13
PRIOR APPLICATION NUMBER: 60/130359
PRIOR FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: 60/131270
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131272
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131291
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/132371
PRIOR FILING DATE: 1999-05-04
PRIOR APPLICATION NUMBER: 60/132379
PRIOR FILING DATE: 1999-05-04
PRIOR APPLICATION NUMBER: 60/132383
PRIOR FILING DATE: 1999-05-04
PRIOR APPLICATION NUMBER: 60/135750
PRIOR FILING DATE: 1999-05-25
PRIOR APPLICATION NUMBER: 60/138166
PRIOR FILING DATE: 1999-06-08
PRIOR APPLICATION NUMBER: 60/144791
PRIOR FILING DATE: 1999-07-20
PRIOR APPLICATION NUMBER: 60/146970
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/162506
PRIOR FILING DATE: 1999-10-29
PRIOR APPLICATION NUMBER: 09/311832
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 09/380142
PRIOR FILING DATE: 1999-08-25
PRIOR APPLICATION NUMBER: 09/644848
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 09/747259
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: 09/816744
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: 09/854208
PRIOR FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: 09/854280
PRIOR FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: 09/874503
PRIOR FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: 09/869599
PRIOR FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: 09/908,827
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: PCT/US99/10733
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: PCT/US99/28551
PRIOR FILING DATE: 1998-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30720
PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: PCT/US00/05601
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: 2000-05-22
PRIOR APPLICATION NUMBER: PCT/US00/15264
PRIOR FILING DATE: 2000-06-02
PRIOR APPLICATION NUMBER: PCT/US00/23522
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: PCT/US00/34956
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: 2001-08-28
PRIOR APPLICATION NUMBER: PCT/US01/17800
PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: PCT/US01/19692
PRIOR FILING DATE: 2001-06-20

PRIOR APPLICATION NUMBER: PCT/US01/21066
PRIOR FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: PCT/US01/21735
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 80
SEQ ID NO 35
LENGTH: 888
TYPE: PRT
ORGANISM: Homo Sapien
US-09-931-836-35

Query Match 20.0%; Score 83.5; DB 10; Length 888;
Best Local Similarity 35.4%; Pred. No. 7.9;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

1 GTH----SLPRPAVVPFLMXPQGPAPVLSFLRP-SWD---LVSAFVSLPLAPLSPT 51
698 GPHDLSGLLPTEQTPLPQKRLPTP-HPHPALGPRAMDHGHPLLPASASSLILLAPA 756

52 SVPISPVSVGRGPPDAHV 70
757 RAPEQPPAPGE-PTPDGRL 774

RESULT 10
US-10-147-493-544
Sequence 544; Application US/10147493
Publication No. US20040029217A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C446
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 550
SEQ ID NO 544
LENGTH: 888
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-493-544

Query Match 20.0%; Score 83.5; DB 12; Length 888;
Best Local Similarity 35.4%; Pred. No. 7.9;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

1 GTH----SLPRPAVVPFLMXPQGPAPVLSFLRP-SWD---LVSAFVSLPLAPLSPT 51
698 GPHDLSGLLPTEQTPLPQKRLPTP-HPHPALGPRAMDHGHPLLPASASSLILLAPA 756

52 SVPISPVSVGRGPPDAHV 70
757 RAPEQPPAPGE-PTPDGRL 774

RESULT 11
US-10-160-503-544
Sequence 544; Application US/10160503
Publication No. US20040033559A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C446
CURRENT APPLICATION NUMBER: US/10/160,503

Query Match 20.0%; Score 83.5; DB 12; Length 888;
Best Local Similarity 35.4%; Pred. No. 7.9;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

1 GTH----SLPRPAVVPFLMXPQGPAPVLSFLRP-SWD---LVSAFVSLPLAPLSPT 51
698 GPHDLSGLLPTEQTPLPQKRLPTP-HPHPALGPRAMDHGHPLLPASASSLILLAPA 756

52 SVPISPVSVGRGPPDAHV 70
757 RAPEQPPAPGE-PTPDGRL 774

US-10-145-127-544

Sequence 544; Application US/10145127
Publication No. US20040033558A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C252
CURRENT APPLICATION NUMBER: US/10/145,127
CURRENT FILING DATE: 2002-05-13
Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 550
SEQ ID NO 544
LENGTH: 888
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-127-544

Query Match 20.0%; Score 83.5; DB 12; Length 888;
Best Local Similarity 35.4%; Pred. No. 7.9;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

1 GTH----SLPRPAVVPFLMXPQGPAPVLSFLRP-SWD---LVSAFVSLPLAPLSPT 51
698 GPHDLSGLLPTEQTPLPQKRLPTP-HPHPALGPRAMDHGHPLLPASASSLILLAPA 756

52 SVPISPVSVGRGPPDAHV 70
757 RAPEQPPAPGE-PTPDGRL 774

RESULT 12
US-10-160-503-544
Sequence 544; Application US/10160503
Publication No. US20040033559A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C446
CURRENT APPLICATION NUMBER: US/10/160,503

Query Match 20.0%; Score 83.5; DB 12; Length 888;
Best Local Similarity 35.4%; Pred. No. 7.9;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

1 GTH----SLPRPAVVPFLMXPQGPAPVLSFLRP-SWD---LVSAFVSLPLAPLSPT 51
698 GPHDLSGLLPTEQTPLPQKRLPTP-HPHPALGPRAMDHGHPLLPASASSLILLAPA 756

52 SVPISPVSVGRGPPDAHV 70
757 RAPEQPPAPGE-PTPDGRL 774

RESULT 13
US-10-160-503-544
Sequence 544; Application US/10160503
Publication No. US20040033559A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C446
CURRENT APPLICATION NUMBER: US/10/160,503

Query Match 20.0%; Score 83.5; DB 12; Length 888;
Best Local Similarity 35.4%; Pred. No. 7.9;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

1 GTH----SLPRPAVVPFLMXPQGPAPVLSFLRP-SWD---LVSAFVSLPLAPLSPT 51
698 GPHDLSGLLPTEQTPLPQKRLPTP-HPHPALGPRAMDHGHPLLPASASSLILLAPA 756

52 SVPISPVSVGRGPPDAHV 70
757 RAPEQPPAPGE-PTPDGRL 774

CURRENT FILING DATE: 2002-05-30
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 544
LENGTH: 888
TYPE: PRT
ORGANISM: Homo Sapien
US-10-160-503-544

Query Match 20.0%; Score 83.5; DB 12; Length 888;
Best Local Similarity 35.4%; Pred. No. 7.9;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH-----SLPRPAVVPRLMOPGPAHYSLRPSWD---LVSAPYSLPLAPLSPT 51
DB 698 GPHDLDSGLPTPQGTLPQKRRLPT-HPHPHALGPRAMDHGHLPLPASASSLLILAFA 756
QY 52 SVPISPVSVGRGPPDPDAH 70
DB 757 RAPEQPPAPGE-PTPDGRL 774

RESULT 13
US-10-211-462-167
Sequence 167; Application US/10211462
Publication No. US20040033495A1
GENERAL INFORMATION:
APPLICANT: Murray, Richard
APPLICANT: Glynn, Richard
APPLICANT: Watson, Susan R.
APPLICANT: Aziz, Nacasha
APPLICANT: Eos Biotechnology, Inc.
TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and
FILE REFERENCE: 018501-006200US
CURRENT APPLICATION NUMBER: US/10/211.462
CURRENT FILING DATE: 2003-02-13
PRIOR APPLICATION NUMBER: US 09/784,356
PRIOR FILING DATE: 2001-02-14
PRIOR APPLICATION NUMBER: US 09/791,390
PRIOR FILING DATE: 2001-02-22
PRIOR APPLICATION NUMBER: US 60/310,025
PRIOR FILING DATE: 2001-08-03
PRIOR APPLICATION NUMBER: US 60/334,244
PRIOR FILING DATE: 2001-11-29
NUMBER OF SEQ ID NOS: 230
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 167
LENGTH: 888
TYPE: PRT
ORGANISM: Homo sapiens
US-10-211-462-167

Query Match 20.0%; Score 83.5; DB 12; Length 888;
Best Local Similarity 35.4%; Pred. No. 7.9;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH-----SLPRPAVVPRLMOPGPAHYSLRPSWD---LVSAPYSLPLAPLSPT 51
DB 698 GPHDLDSGLPTPQGTLPQKRRLPT-HPHPHALGPRAMDHGHLPLPASASSLLILAFA 756
QY 52 SVPISPVSVGRGPPDPDAH 70
DB 757 RAPEQPPAPGE-PTPDGRL 774

RESULT 14
US-10-143-118-544
Sequence 544; Application US/10143118
Publication No. US20040038335A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura

APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C228
CURRENT APPLICATION NUMBER: US/10/143,118
CURRENT FILING DATE: 2002-05-09
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 544
LENGTH: 888
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-118-544

Query Match 20.0%; Score 83.5; DB 12; Length 888;
Best Local Similarity 35.4%; Pred. No. 7.9;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH-----SLPRPAVVPRLMOPGPAHYSLRPSWD---LVSAPYSLPLAPLSPT 51
DB 698 GPHDLDSGLPTPQGTLPQKRRLPT-HPHPHALGPRAMDHGHLPLPASASSLLILAFA 756
QY 52 SVPISPVSVGRGPPDPDAH 70
DB 757 RAPEQPPAPGE-PTPDGRL 774

RESULT 15
US-10-144-993-544
Sequence 544; Application US/10144993
Publication No. US20040038336A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C261
CURRENT APPLICATION NUMBER: US/10/144,993
CURRENT FILING DATE: 2002-05-13
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 544
LENGTH: 888
TYPE: PRT
ORGANISM: Homo Sapien

US-10-144-993-544

Query Match 20.0%; Score 83.5; DB 12; Length 888;
 Best Local Similarity 35.4%; Pred. No. 7.9;
 Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

Qy	1	GTN----	SLPRPAVPVPLRMQGPAPHEVLSLRP-SMD---	LVSAPYSPLAPISPT	51
Db	698	GPHLDSDGLPTPEQTPLPQRLPTL-HPHPLAPRAWDHGHPLIPASASSLILAP			756
Qy	52	SVPISEVSVYGRGPDPAHV			70
Db	757	RAPEQPAPE-PTPDGRL			774

Search completed: June 4, 2004, 10:51:08
 Job time : 12.3735 secs

Fri Jun 4 11:10:11 2004

us-09-234-208b-1.fai

Page 1

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 4, 2004, 10:36:26 ; Search time 5.23494 Seconds
(without alignments)
779.083 Million cell updates/sec

Title: US-09-234-208B-1

Sequence: 1 GTHSLPRPAAPVPLRMQP.....VGRGPDPAHVAVNLRYEG 79

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :
1: /cgn2_6/prodata/2/1aa/5A_COMB.pep.*
2: /cgn2_6/prodata/2/1aa/5B_COMB.pep.*
3: /cgn2_6/prodata/2/1aa/6A_COMB.pep.*
4: /cgn2_6/prodata/2/1aa/6B_COMB.pep.*
5: /cgn2_6/prodata/2/1aa/PCPUS_COXA.pep.*
6: /cgn2_6/prodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	418	100.0	79	4 US-09-630-155-1	Sequence 1, Appl1
2	418	100.0	419	4 US-09-630-155-2	Sequence 2, Appl1
3	83.5	20.0	888	4 US-09-077-940A-4	Sequence 4, Appl1
4	81.5	19.5	1257	4 US-08-340-428B-49	Sequence 49, Appl1
5	81	19.4	158	4 US-09-252-991A-24956	Sequence 24956, A
6	79	18.9	195	4 US-09-252-991A-29314	Sequence 29314, A
7	77	18.4	122	4 US-09-462-606-65	Sequence 65, Appl1
8	77	18.4	546	4 US-09-252-991A-19122	Sequence 19122, A
9	74	17.7	495	4 US-09-252-991A-31949	Sequence 31949, A
10	73.5	17.6	887	4 US-09-077-940A-2	Sequence 2, Appl1
11	72	17.2	183	4 US-09-489-039A-12842	Sequence 12842, A
12	72	17.2	203	4 US-09-543-681A-8287	Sequence 8287, Ap
13	72	17.2	440	3 US-08-430-286A-9	Sequence 9, Appl1
14	71.5	17.1	604	2 US-08-468-576B-12	Sequence 12, Appl1
15	71.5	17.1	604	2 US-08-468-579B-12	Sequence 12, Appl1
16	71.5	17.1	604	3 US-08-468-579B-12	Sequence 12, Appl1
17	71.5	17.1	2441	1 US-08-194-468-2	Sequence 2, Appl1
18	71.5	17.1	2441	1 US-08-961-739-2	Sequence 2, Appl1
19	71.5	17.1	2441	4 US-09-514-347A-8	Sequence 8, Appl1
20	71.5	17.1	2441	4 US-09-666-316-2	Sequence 2, Appl1
21	71	17.0	803	4 US-09-252-991A-30479	Sequence 30479, A
22	70	16.7	2321	4 US-09-230-652-2	Sequence 11, Appl1
23	69.5	16.6	344	4 US-09-147-236-11	Sequence 11, Appl1
24	69.5	16.6	344	4 US-09-522-474-11	Sequence 21, Appl1
25	69.5	16.6	432	1 US-08-615-170-21	Sequence 19, Appl1
26	69.5	16.6	433	1 US-08-615-170-19	Sequence 58, Appl1
27	68.5	16.4	115	3 US-09-461-697-58	

28	68.5	16.4	132	3 US-09-461-697-54	Sequence 54, Appl1
29	68.5	16.4	139	3 US-09-461-697-52	Sequence 52, Appl1
30	68.5	16.4	159	3 US-09-461-697-48	Sequence 48, Appl1
31	68.5	16.4	221	4 US-09-252-991A-26404	Sequence 26404, A
32	68	16.3	325	4 US-09-252-991A-26580	Sequence 26580, A
33	68	16.3	2972	4 US-09-579-181-2	Sequence 2, Appl1
34	68	16.3	3118	4 US-09-579-181-1	Sequence 1, Appl1
35	67.5	16.1	123	3 US-08-840-316-3	Sequence 3, Appl1
36	67.5	16.1	123	3 US-08-478-507-9	Sequence 9, Appl1
37	67.5	16.1	123	3 US-08-809-523-3	Sequence 3, Appl1
38	67.5	16.1	123	3 US-09-128-275A-9	Sequence 9, Appl1
39	67.5	16.1	123	3 US-08-471-971-3	Sequence 3, Appl1
40	67.5	16.1	123	4 US-09-553-427-9	Sequence 9, Appl1
41	67.5	16.1	123	4 US-09-462-606-13	Sequence 13, Appl1
42	67.5	16.1	123	4 US-09-462-606-59	Sequence 59, Appl1
43	67.5	16.1	123	4 US-09-462-606-60	Sequence 60, Appl1
44	67.5	16.1	123	4 US-09-462-606-62	Sequence 62, Appl1
45	67.5	16.1	123	4 US-09-462-606-63	Sequence 63, Appl1

ALIGNMENTS

RESULT 1
US-09-630-155-1
Sequence 1, Application US/09630155
Patent No. 6414130
GENERAL INFORMATION:
APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: DAVIS WRIGHT TREMAYNE LLP
STREET: 1501 Fourth Avenue, 2600 Century Square
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PC compatible
OPERATING SYSTEM: Windows95
SOFTWARE: Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/630,155
FILING DATE: 16-Jan-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Davison, Barry L.
REGISTRATION NUMBER: 47,309
REFERENCE/DOCKET NUMBER: 49321-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206 628-7621
TELEFAX: 206 628-7699
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 79
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: HER-2 ECD antagonist
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-630-155-1
Query Match 100.0%; Score 418; DB 4; Length 79;
Best Local Similarity 100.0%; Pred. No. 8.7e-42;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTHSLPRPAAPVPLRMQPGPAHVAVNLRYEG 60
DB 1 GTHSLPRPAAPVPLRMQPGPAHVAVNLRYEG 60
QY 61 GRGPDPAHVAVNLRYEG 79

Db 61 GRGPDPAHVAVNLSRYEG 79

RESULT 2

US-09-630-155-2
Sequence 2, Application US/09630155
Patent No. 6414130

GENERAL INFORMATION:

APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: DAVIS WRIGHT TREXANINE LLP
STREET: 1501 Fourth Avenue, 2600 Century Square
CITY: Seattle

STATE: Washington

COUNTRY: U.S.A.

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: PC compatible

OPERATING SYSTEM: Windows95

SOFTWARE: Word

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/630,155

FILING DATE: 16-Jan-2001

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Davison, Barry L.

REGISTRATION NUMBER: 47,309

REFERENCE/DOCKET NUMBER: 49321-10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 206 628-7621

TELEFAX: 206 628-7699

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 419

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: unknown

MOLECULE TYPE: polypeptide

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-630-155-2

Query Match 100.0%; Score 418; DB 4; Length 419;

Best Local Similarity 100.0%; Pred. No. 7.1e-41;

Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTHTLPPAAVVPILRMQGPAPVLSFLRPSMDLVSAFYSLPLAPLSPTSVIPSVY 60
DB 341 GTHTLPPAAVVPILRMQGPAPVLSFLRPSMDLVSAFYSLPLAPLSPTSVIPSVY 400
QY 61 GRGPDPAHVAVNLSRYEG 79
DB 401 GRGPDPAHVAVNLSRYEG 419

RESULT 3

US-09-077-940A-4

Sequence 4, Application US/09077940A

Patent No. 6576441

GENERAL INFORMATION:

APPLICANT: KIMURA, Toru et al.

TITLE OF INVENTION: NOVEL SEMAPHORIN 2 AND GENE ENCODING THE SAME

FILE REFERENCE: 0020-4426P

CURRENT APPLICATION NUMBER: US/09/077,940A

CURRENT FILING DATE: 1998-06-05

NUMBER OF SEQ ID NOS: 20

SOFTWARE: PatentIn version 3.1

SEQ ID NO 4

LENGTH: 888

TYPE: PRT

ORGANISM: Homo sapiens
US-09-077-940A-4

Query Match 20.0%; Score 83.5; DB 4; Length 888;

Best Local Similarity 35.4%; Pred. No. 0.22;

Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH---SLPPAAVVPILRMQGPAPVLSFLRPSMDLVSAFYSLPLAPLSPT 51
DB 698 GTHDLSGLPTEQQLPQLRPLTP-HPHPLAGRAMDHGHPLLPASASSSLLTAPA 756
QY 52 SVPLSPVSGRGPPDPAHV 70
DB 757 RAPEQPPAPGE-PTPDGRLL 774

RESULT 4

US-08-340-428B-49

Sequence 49, Application US/08340428B

Patent No. 5648465

GENERAL INFORMATION:

APPLICANT: MARGOLIS, Richard U.

APPLICANT: RAUCH, Uwe

TITLE OF INVENTION: CLONING, EXPRESSION AND USES FOR A

NUMBER OF SEQUENCES: 49

CORRESPONDENCE ADDRESS:

ADDRESSEE: Browdy and Neimark

STREET: 419 Seventh Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/340,428B

FILING DATE: 14 No. 5648465ember 1994

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/922,911

FILING DATE: 03 August 1992

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Browdy, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: Margolis=1A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197

TELEFAX: 202-737-3528

INFORMATION FOR SEQ ID NO: 49:

SEQUENCE CHARACTERISTICS:

LENGTH: 1257 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-340-428B-49

Query Match 19.5%; Score 81.5; DB 1; Length 1257;

Best Local Similarity 35.0%; Pred. No. 0.58;

Matches 28; Conservative 10; Mismatches 25; Indels 17; Gaps 5;

QY 4 SLPPAAVVPILRMQGP---PAHPVLSFLR-----PSMDLVSAFYSLPLAPLS--PT 51
DB 610 SLPPAAVVPILRMQGPDPDGPDPFIVMLAPKXLLPHSTLVVNSPIPLSPAPSPS 669
QY 52 SVF---ISPVSGRGPPDP 67
||| : ||| : |||

Db 670 SYPEEQAVRPVSPG-AEDPE 668

RESULT 5

US-09-252-991A-24956
 ; Sequence 24956, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252.991A
 ; PRIOR FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074.788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094.190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 24956
 ; LENGTH: 158
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-24956

Query Match 19.4%; Score 81; DB 4; Length 158;
 Best Local Similarity 36.2%; Pred. No. 0.049;
 Matches 25; Conservative 8; Mismatches 28; Indels 8; Gaps 3;

QY 6 LPRP-----AAVPLRMQGPAPVLSFLRPSWDVSAFYSLPL-APLSPVSPISPV 58
 Db 87 LPSDPPPPPLSLPFLPLPLPLPLPLPLPLPLPLPLPLPLPLPLPLPLPLPLPL 146

QY 59 SV-GRGDP 66
 Db 147 SLSSSSPSP 155

RESULT 6

US-09-252-991A-29314
 ; Sequence 29314, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252.991A
 ; PRIOR FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074.788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094.190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 29314
 ; LENGTH: 195
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-29314

Query Match 18.9%; Score 79; DB 4; Length 195;
 Best Local Similarity 37.9%; Pred. No. 0.11;
 Matches 25; Conservative 1; Mismatches 30; Indels 10; Gaps 3;

QY 1 GTHSLPRPAVPLRLMQGPAPVLSFLRPSWDVSAFYSLPLAPLSPTSPISPV 60
 Db 19 GLHTARPAVPLP-----QPA-RHGPVVRP-----RAAPQAGPALPLRTPTLPRH 68
 QY 61 GRGDP 66
 Db 69 GRODP 74

RESULT 7

US-09-462-606-65
 ; Sequence 65, Application US/09462606
 ; Patent No. 6432408
 ; GENERAL INFORMATION:
 ; APPLICANT: MENG, XIANG-JIN
 ; APPLICANT: Emerson, Suzanne U.
 ; TITLE OF INVENTION: A SWINE HEPATITIS E VIRUS AND USBS THEREOF
 ; FILE REFERENCE: 2026426701
 ; CURRENT APPLICATION NUMBER: US/09/462.606
 ; CURRENT FILING DATE: 2000-06-12
 ; PRIOR APPLICATION NUMBER: US 60/053069
 ; PRIOR FILING DATE: 1997-07-18
 ; PRIOR APPLICATION NUMBER: PCT/US98/14665
 ; PRIOR FILING DATE: 1998-07-17
 ; NUMBER OF SEQ ID NOS: 65
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 65
 ; LENGTH: 122
 ; TYPE: PRT
 ; ORGANISM: Hepatitis E virus
 US-09-462-606-65

Query Match 18.4%; Score 77; DB 4; Length 122;
 Best Local Similarity 36.1%; Pred. No. 0.1;
 Matches 22; Conservative 10; Mismatches 23; Indels 6; Gaps 3;

QY 1 GTHSLPRPAVPLRLMQGPAPVLSFLRPSWDVSAFYSLPLAPLSPTSPISPV 57
 Db 55 GVTGLISPS--PSFIFIQPTSLP-MSFHNKGLERALDSRAPLPLGLVTSAPSAPLP 111

QY 58 V 58
 Db 112 V 112

RESULT 8

US-09-252-991A-19122
 ; Sequence 19122, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252.991A
 ; PRIOR FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074.788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094.190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 19122
 ; LENGTH: 546
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-19122

Query Match 18.4%; Score 77; DB 4; Length 546;
 Best Local Similarity 31.2%; Pred. No. 0.68;
 Matches 24; Conservative 14; Mismatches 25; Indels 14; Gaps 4;

QY 3 HSLPRPAVPLRLMQGPAPVLSFLRPSWDVSAFYSLPLAPLSPTSPISPV 61
 Db 42 HALVGGQLPLALRFPG--YFVAL-----QVLLQGLPARPVAPGAVOPARILRG 92
 QY 62 R-----GPDPAVAVNL 74
 Db 93 KGLAGADHAAHGVAV 109

RESULT 9

US-09-252-991A-31949
; Sequence 31949, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 31949
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31949

Query Match 17.7%; Score 74; DB 4; Length 495;
Best Local Similarity 39.1%; Pred. No. 1.4;
Matches 25; Conservative 9; Mismatches 24; Indels 6; Gaps 4;
QY 8 RPAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPVSISVSGRGDP 65
DB 284 RPAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPVSISVSGRGDP 65
QY 66 PDAH 69
DB 340 PDAH 343

RESULT 10
US-09-077-940A-2
; Sequence 2, Application US/09077940A
; Patent No. 6576441
; GENERAL INFORMATION:
; APPLICANT: KIMURA, Toru et al.
; TITLE OF INVENTION: NOVEL SEMAPHORIN 2 AND GENE ENCODING THE SAME
; FILE REFERENCE: 0020-4426P
; CURRENT APPLICATION NUMBER: US/09/077,940A
; PRIOR FILING DATE: 1998-06-05
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 887
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-077-940A-2

Query Match 17.6%; Score 73.5; DB 4; Length 887;
Best Local Similarity 36.0%; Pred. No. 3.2; Indels 11; Gaps 5;
Matches 27; Conservative 6; Mismatches 31; Indels 11; Gaps 5;
QY 1 GTG---SILPRAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPVSISVSGRGDP 51
DB 699 GTG---SILPRAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPVSISVSGRGDP 51
QY 52 SVIS-PSVSGRGDP 65
DB 758 RABQPPVPTSGPE 772

RESULT 11
US-09-489-039A-12842
; Sequence 12842, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 2709, 2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12842
; LENGTH: 183
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12842

Query Match 17.2%; Score 72; DB 4; Length 183;
Best Local Similarity 23.8%; Pred. No. 0.66;
Matches 30; Conservative 8; Mismatches 30; Indels 58; Gaps 5;
QY 4 SILPRAVAVPL-----RMQ-----GPV--PVLSPVSGRGDP 33
DB 23 SSAPRQSLPLQPPVSSRQRLSLGRPASRQPPVPPVPLSPGHPSPSPRPL 82
QY 34 WDLVSAFSLPLAPL-----SPTSISVSGRGDP 66
DB 83 WDLVSAFSLPLAPL-----SPTSISVSGRGDP 66
QY 67 DAHVAV 72
DB 142 VSHVTL 147

RESULT 12
US-09-543-681A-8287
; Sequence 8287, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRAE
; FILE REFERENCE: 2709, 1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 8287
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Proteus mirabilis
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (14), (15), (16), (17), (18), (19), (20), (21), (22), (23), (24), (25), (26)
; LOCATION: (27), (28), (29), (30), (31), (32), (33), (34), (35), (36), (37), (38), (39)
; LOCATION: (40), (41), (42), (43), (44), (45), (46), (47), (48), (49), (50), (51), (52)
; LOCATION: (53), (54), (55), (56), (57), (58), (59), (60), (61), (62), (63), (72), (78)
; LOCATION: (79), (89), (90), (103)
; OTHER INFORMATION: Identity of amino acid at the above locations are unknown.
US-09-543-681A-8287

Query Match 17.2%; Score 72; DB 4; Length 203;
Best Local Similarity 35.8%; Pred. No. 0.76;
Matches 19; Conservative 4; Mismatches 26; Indels 4; Gaps 1;
QY 7 PRAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPVSISVSGRGDP 59
DB 91 PRAVAVPLRMQGPAPVLSFL--RPSMDVSAFSLPLAPLSPVSISVSGRGDP 59

RESULT 13
US-08-430-286A-9
; Sequence 9, Application US/08430286A
; Patent No. 6225080
; GENERAL INFORMATION:
; APPLICANT: Uni, George R.
; APPLICANT: Apple, C. Mark

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APPLICANT: Kang, Jai-Jae
TITLE OF INVENTION: Mu-Subtype Opioid Receptor
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESS: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: US
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/430,286A
FILING DATE: 28-APR-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Robinson, Joseph R.
REGISTRATION NUMBER: 33,448
REFERENCE/DOCKET NUMBER: 0646/1A843-US5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-527-7700
TELEFAX: 212-753-6237
TELEX: 236687
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 440 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: OPB-R
US-08-430-286A-9

Query Match 17.2% Score 72; DB 3; Length 440;
Best Local Similarity 45.2%; Pred. No. 2;
Matches 19; Conservative 5; Mismatches 10; Indels 8; Gaps 3;

Cy 2 THSLPPRAVPVLRMPGPAHPVLSFLRPSMDIVSAFYSL 43
Db 32 TRSPSPASWTFSP---RPGPAHP---FLQPPMAV--ALWSL 65

RESULT 14
US-08-468-576B-12
Sequence 12, Application US/08468576B
Patent No. 5955345
GENERAL INFORMATION:
APPLICANT: Rabin, Daniel
TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS
TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESS: Sprung Kramer Schaefer & Briscoe
STREET: 660 White Plains Road
CITY: Tarrytown
STATE: New York
COUNTRY: USA
ZIP: 10591-5144
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: System 7.5
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,576B
FILING DATE: 06-JUN-1995

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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/239,276
FILING DATE: 05-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,646
FILING DATE: 08-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/715,181
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/441,703
FILING DATE: 04-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/312,543
FILING DATE: 17-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Kurt G. Briscoe
REGISTRATION NUMBER: 33,141
REFERENCE/DOCKET NUMBER: MDI 251.7-KGB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 332-1700
TELEFAX: (914) 332-1844
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 604 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-468-576B-12

Query Match 17.1% Score 71.5; DB 2; Length 604;
Best Local Similarity 34.8%; Pred. No. 3.4;
Matches 23; Conservative 13; Mismatches 27; Indels 3; Gaps 2;

Cy 10 AAVPVLRMPGPAHPVLSFLRPSMDIVSAFYSLPLAPLSPTVPSIPV--SVRGGDDP 67
Db 421 AAQPLNLSRPRKTAEPKSPSTPTOMLFPKSKTSPVNLPRKSSIP--SPIGSGTGRGSSLD 479

Cy 68 AHVAVN 73
Db 480 ILSSIN 485

RESULT 15
US-08-468-579B-12
Sequence 12, Application US/08468579B
Patent No. 5981700
GENERAL INFORMATION:
APPLICANT: Rabin, Daniel
TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS
TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESS: Sprung Kramer Schaefer & Briscoe
STREET: 660 White Plains Road
CITY: Tarrytown
STATE: New York
COUNTRY: USA
ZIP: 10591-5144
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: System 7.5
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,579B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/239,276
FILING DATE: 05-MAY-1994
APPLICATION NUMBER: US 07/872,646

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FILED DATE: 08-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/715,181
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/441,703
FILING DATE: 04-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/312,543
FILING DATE: 17-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: KURT G. BRISCOE
REGISTRATION NUMBER: 33,141
REFERENCE/DOCKET NUMBER: MD1 251.5-KGB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 332-1700
TELEFAX: (914) 332-1844
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 604 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-468-5798-12

Query Match 17.1%; Score 71.5; DB 2; Length 604;
Best Local Similarity 34.8%; Pred. No. 3.4;
Matches 23; Conservative 13; Mismatches 27; Indels 3; Gaps 2;

QY 10 AAVPVLRLMOPGAAHVLSTLRPSMDLVGAFVSLPLAPLSPVSPISPV--SVGRGPPDP 67
DB 421 AAGPLNLSSRPKTAEPVKSPPTPTQNLFPKSKTSPVNLPKKSIIP-SPIGGSIGROSSID 479

QY 68 AHYAVN 73
DB 480 ILSSLN 485

Search completed: June 4, 2004, 10:42:52
Job time: 5.23494 secs